EASYSET
Metal
STORE
FRONTS

EASY SET

Metal

STORE FRONTS

EASYSET

SYSTEM
OF COPPER OR BRONZE
STORE FRONTS
Illustrated and Detailed

also

SUGGESTIONS for Ornamenting Store Fronts, Show Case Doors, Stamped and Special Grilles, Thresholds and Kick-plates, Architectural Mouldings, Store Front Designs. Numerous Photographic Reproductions of Installations, and Various Types of Glass for Unlimited Uses.

PITTSBURGH PLATE GLASS COMPANY

See page No. 48 for list of warehouses

CATALOG L

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EASYSET SYSTEM
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EASYSET STORE FRONT CONSTRUCTION

Including Many New Features

Above illustration shows ventilation and drainage control, and manner of setting glass from inside.

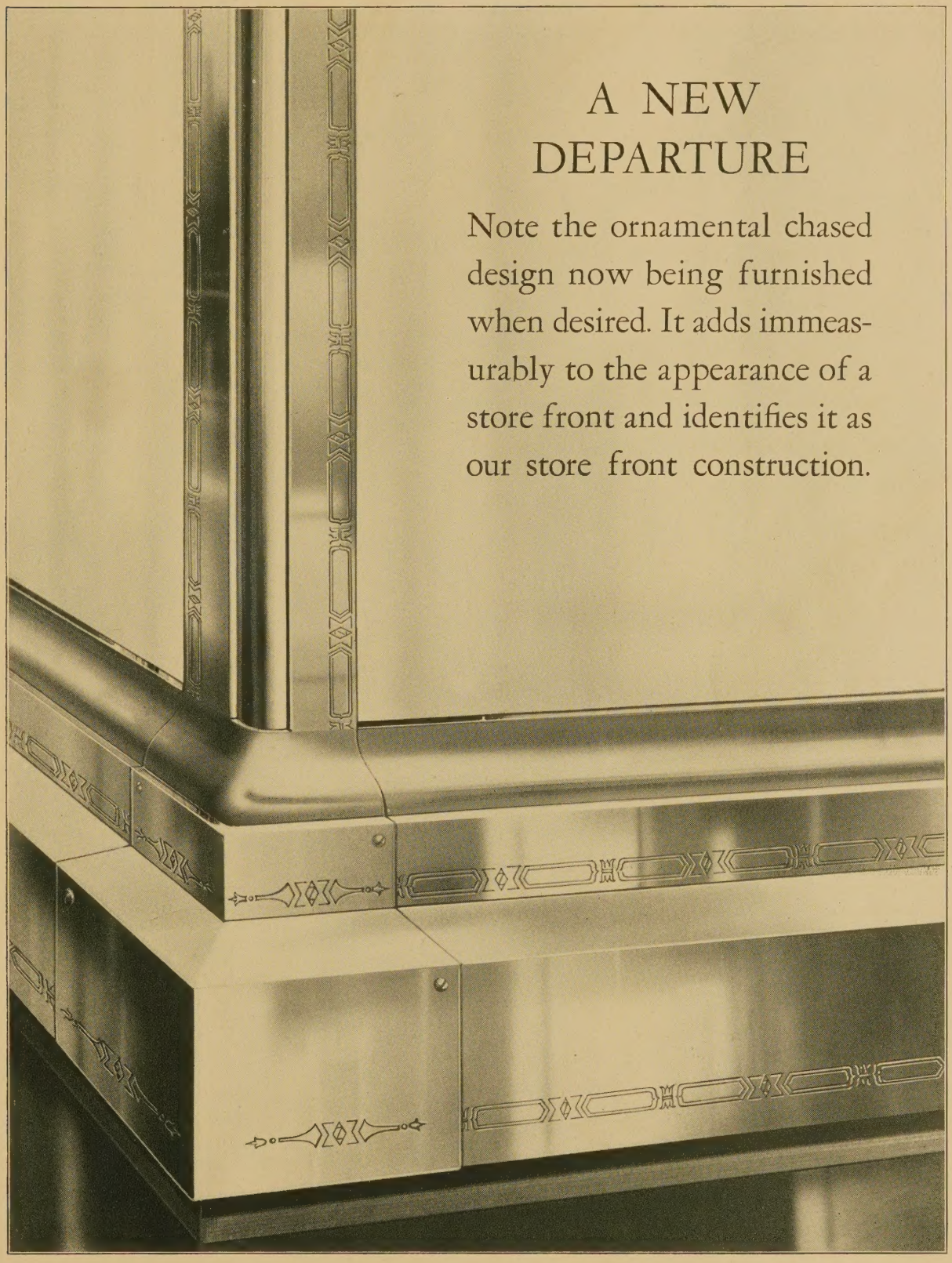
Anyone who is interested in beautiful and durable store fronts, and show windows that subtly magnify the excellence of modern merchandise, should find the contents of this book a practical help and inspiration. Within its covers will be found a complete description of EASYSET construction. A careful study of the principles involved will convince you that EASYSET is a practical and satisfactory construction for store fronts.

In the development of EASYSET we have striven to achieve store fronts unique and architecturally beautiful in design—simple and practical to install—durable—yet above all, inexpensive. In all, we have been outstandingly successful.

The first low cost of EASYSET is the only cost. Expensive periodical repairing or renovating has been entirely eliminated.

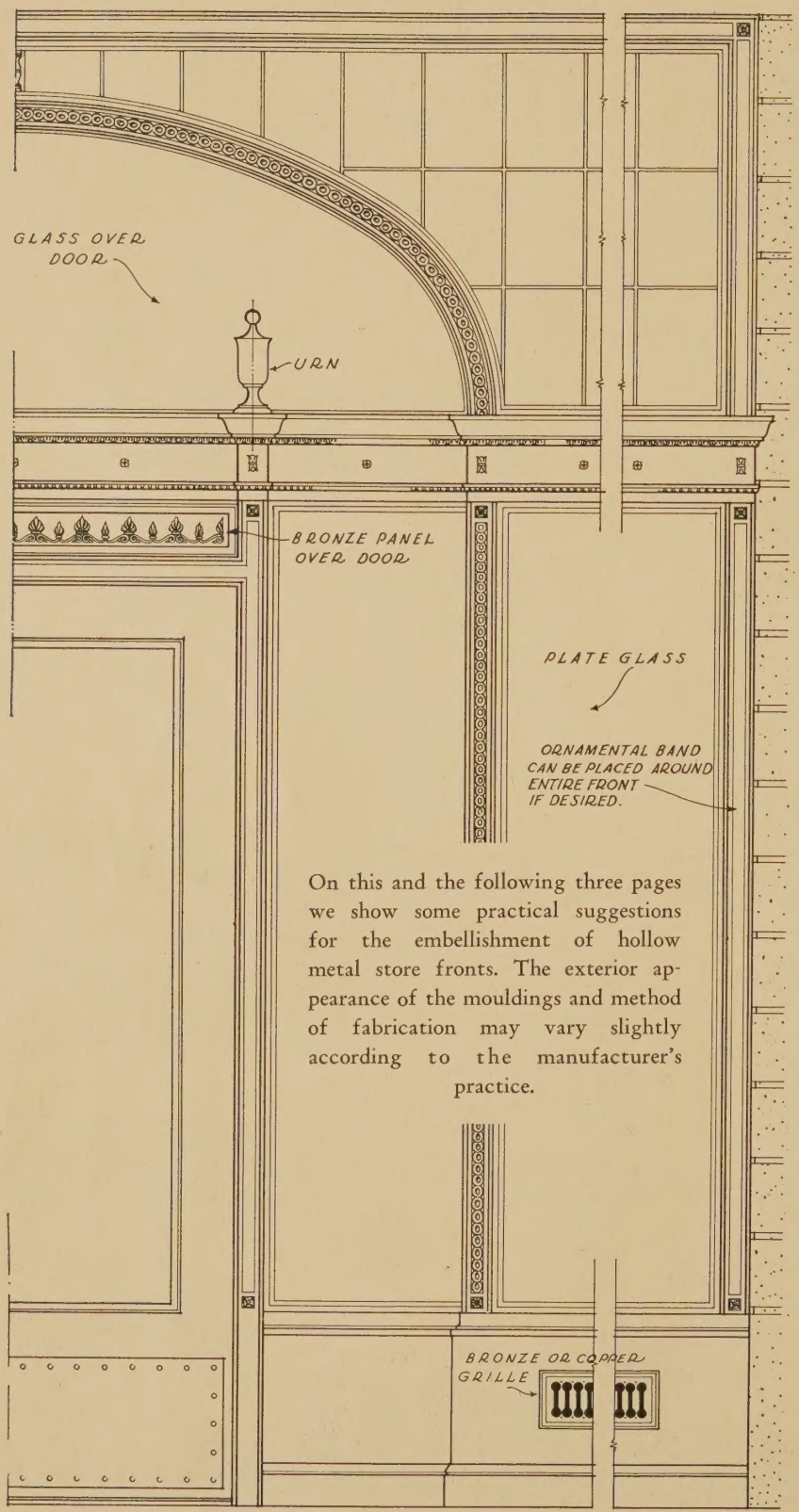
The principles of EASYSET construction set forth in this book are backed by years of practical application. The thousands of EASYSET installations now in service, giving the utmost in satisfaction, speak more eloquently than words of their practicability.

EASYSET has received the hearty endorsement of architects, contractors, and merchants in all parts of the United States and Canada and is worthy of your consideration for all structures where display fronts are involved. We show in this book many new features and methods of ornamentation which have been added to the EASYSET line which we are sure will be welcomed by those desiring unusual individuality and character.

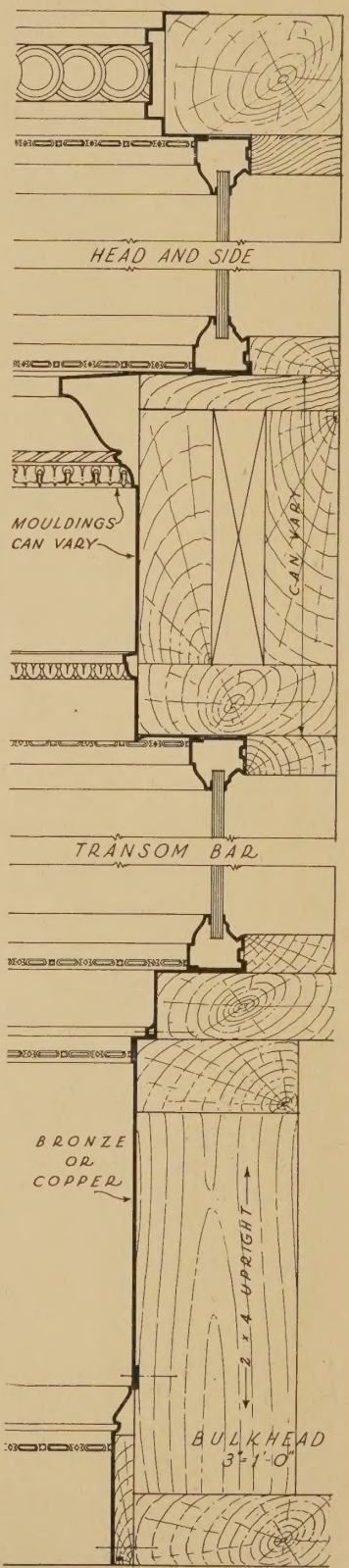


A NEW DEPARTURE

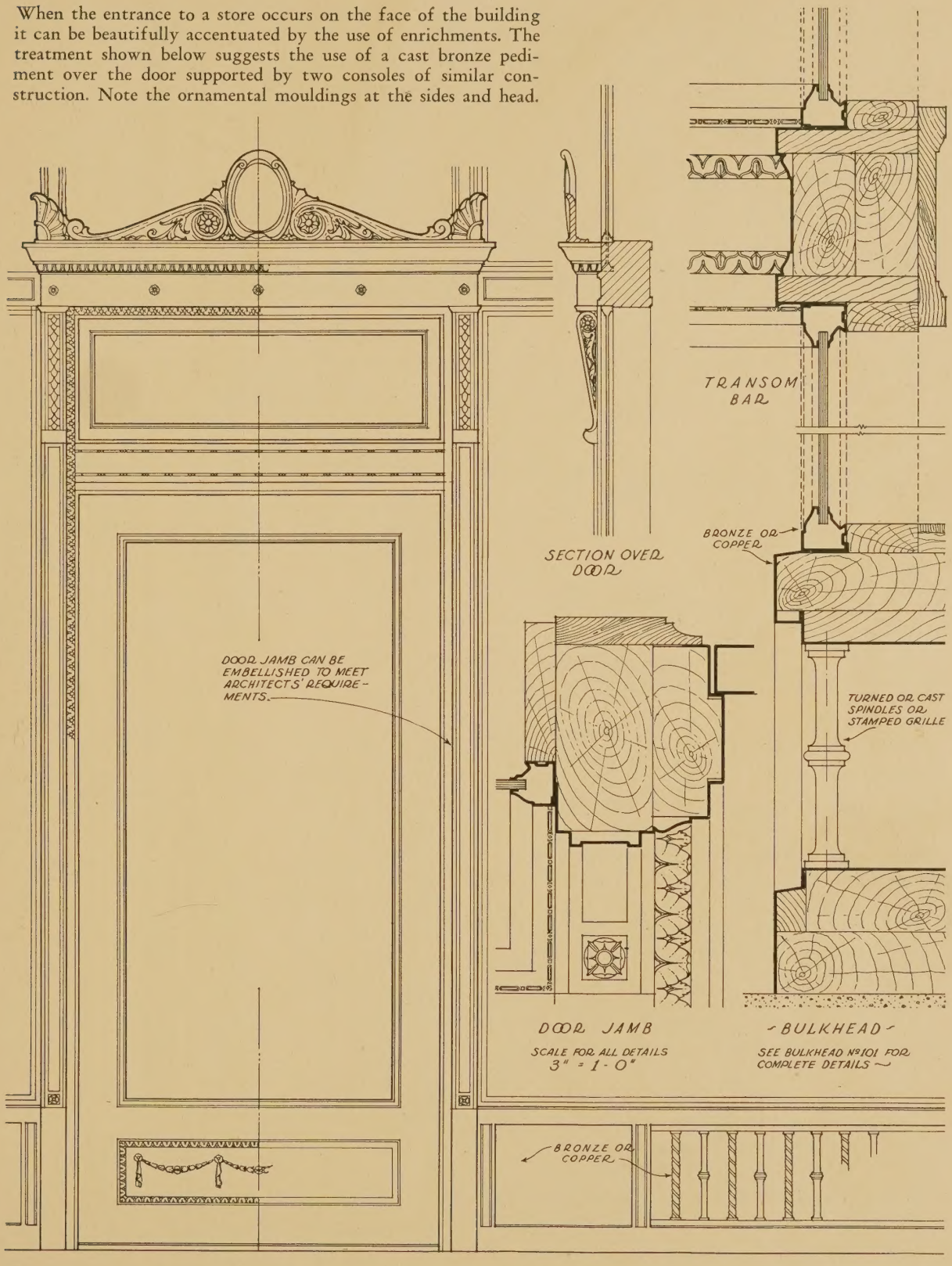
Note the ornamental chased design now being furnished when desired. It adds immeasurably to the appearance of a store front and identifies it as our store front construction.

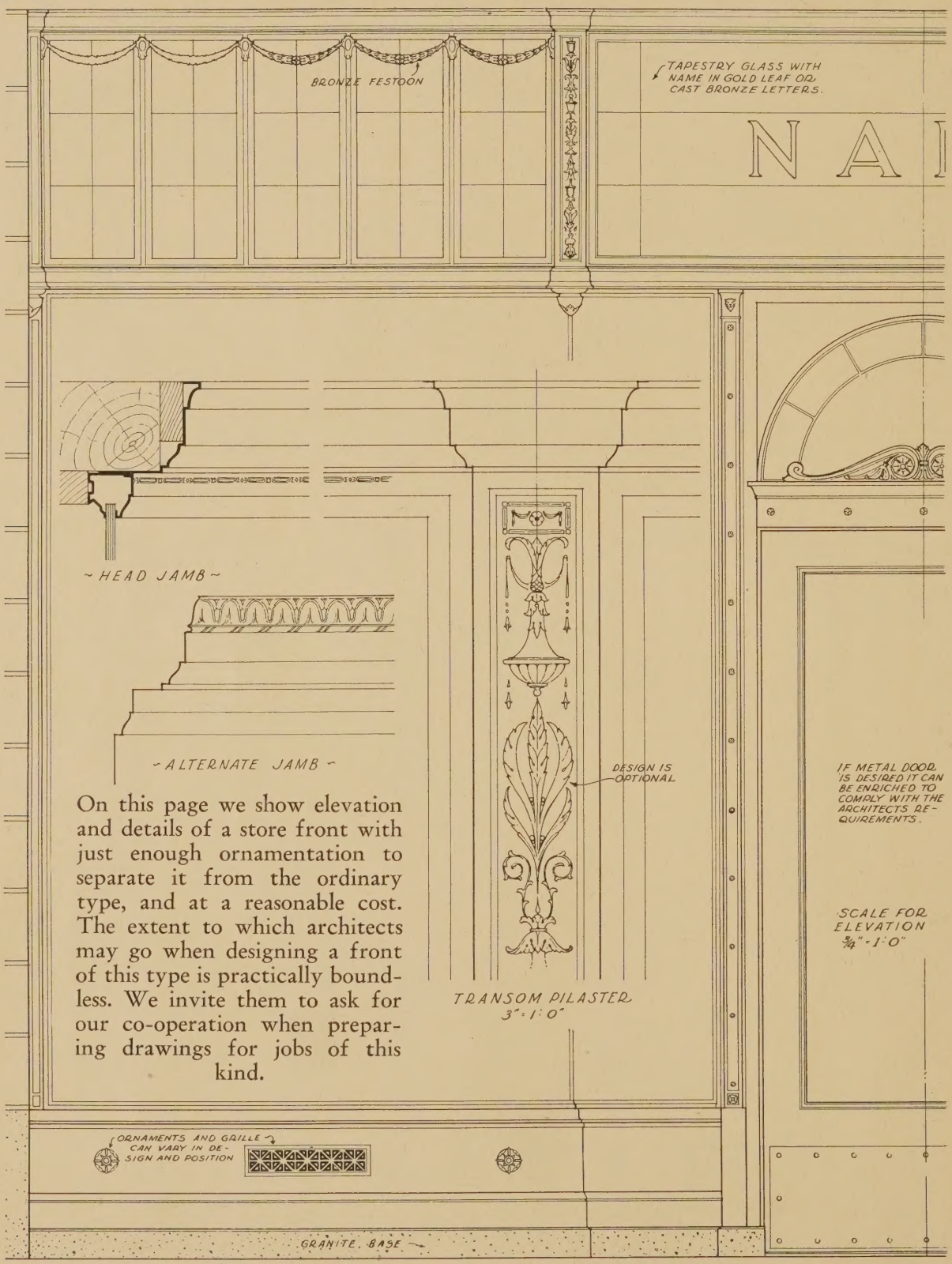

GLASS OVER DOOR
URN
BRONZE PANEL OVER DOOR
PLATE GLASS
ORNAMENTAL BAND CAN BE PLACED AROUND ENTIRE FRONT IF DESIRED.
BRONZE OR COPPER GRILLE

On this and the following three pages we show some practical suggestions for the embellishment of hollow metal store fronts. The exterior appearance of the mouldings and method of fabrication may vary slightly according to the manufacturer's practice.

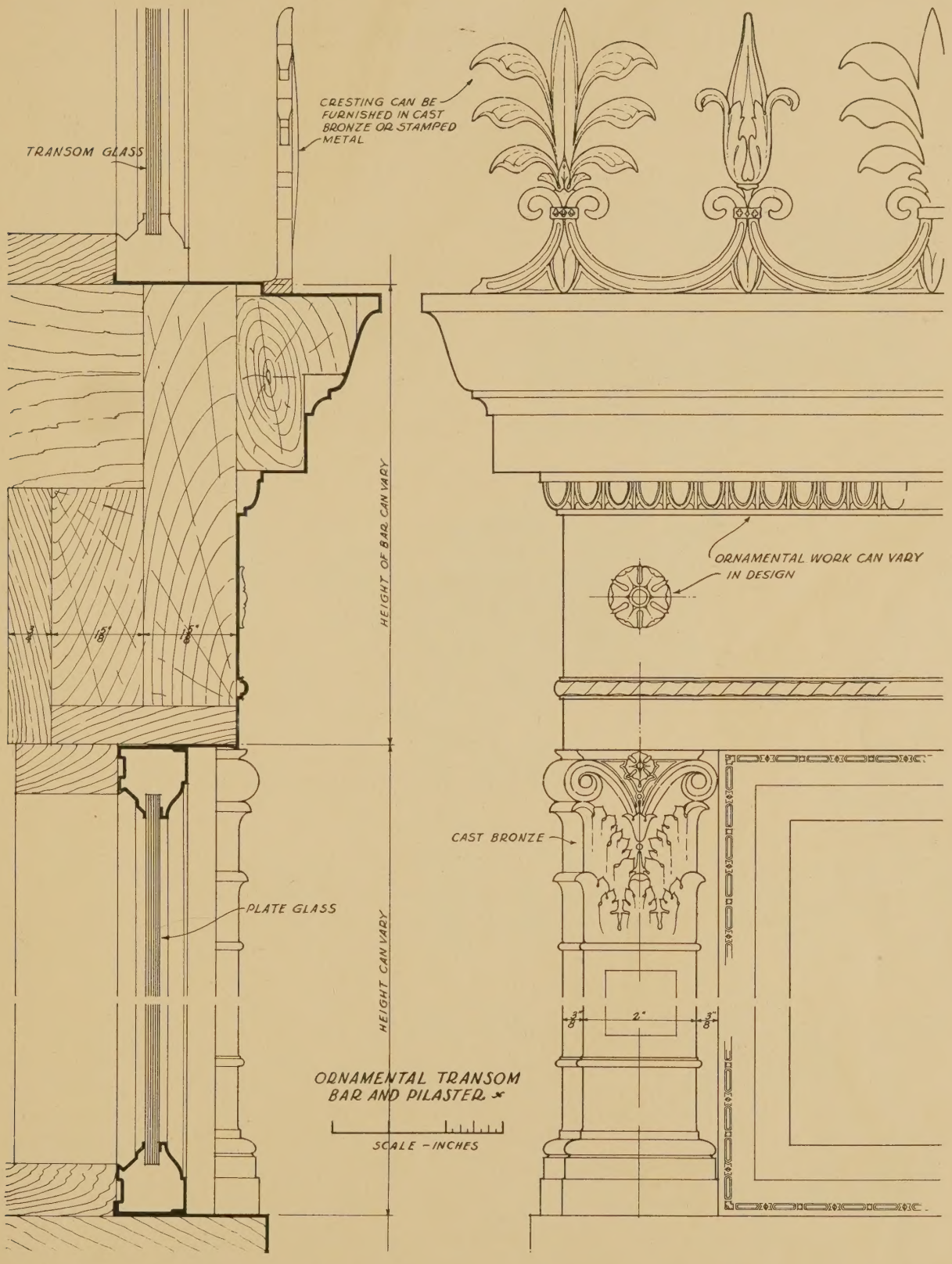


When the entrance to a store occurs on the face of the building it can be beautifully accentuated by the use of enrichments. The treatment shown below suggests the use of a cast bronze pediment over the door supported by two consoles of similar construction. Note the ornamental mouldings at the sides and head.


DOOR JAMB CAN BE EMBELLISHED TO MEET ARCHITECT'S' REQUIREMENTS.
SECTION OVER DOOR
TRANSOM BAR
BRONZE OR COPPER
TURNED OR CAST SPINDLES OR STAMPED GRILLE
DOOR JAMB
SCALE FOR ALL DETAILS 3" = 1-0"
-BULKHEAD-
SEE BULKHEAD Nº101 FOR COMPLETE DETAILS
BRONZE OR COPPER

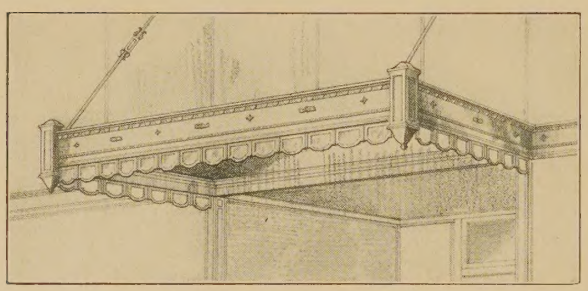

BRONZE FESTOON
TAPESTRY GLASS WITH NAME IN GOLD LEAF OR CAST BRONZE LETTERS.
~HEAD JAMB~
~ALTERNATE JAMB~
DESIGN IS OPTIONAL
IF METAL DOOR IS DESIRED IT CAN BE ENRICHED TO COMPLY WITH THE ARCHITECTS REQUIREMENTS.
SCALE FOR ELEVATION 3/4" = 1'-0"
TRANSOM PILASTER 3" = 1'-0"
ORNAMENTS AND GRILLE CAN VARY IN DESIGN AND POSITION
GRANITE BASE

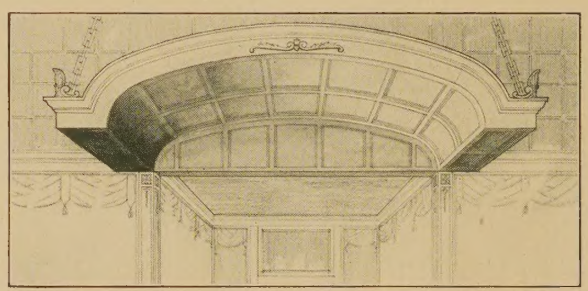
On this page we show elevation and details of a store front with just enough ornamentation to separate it from the ordinary type, and at a reasonable cost. The extent to which architects may go when designing a front of this type is practically boundless. We invite them to ask for our co-operation when preparing drawings for jobs of this kind.

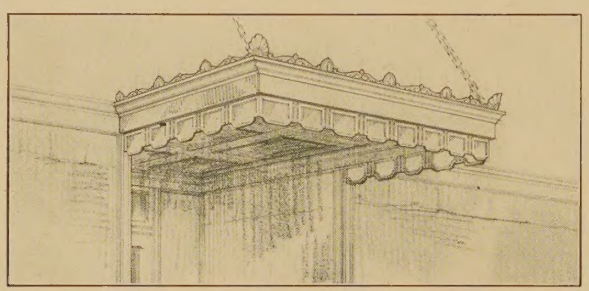

CRESTING CAN BE FURNISHED IN CAST BRONZE OR STAMPED METAL
TRANSOM GLASS
HEIGHT OF BAR CAN VARY
ORNAMENTAL WORK CAN VARY IN DESIGN
CAST BRONZE
PLATE GLASS
HEIGHT CAN VARY
3/8"
1 1/8"
1 5/8"
3/8"
2"
3/8"
ORNAMENTAL TRANSOM BAR AND PILASTER
SCALE - INCHES

METAL CANOPIES

These graceful canopies, or as termed by some, marquise, can be used to excellent advantage over most entrances, when shelter is desired. Being constructed of copper or bronze mouldings, they give permanent character and individuality to a store front. They can be constructed in practically any design.



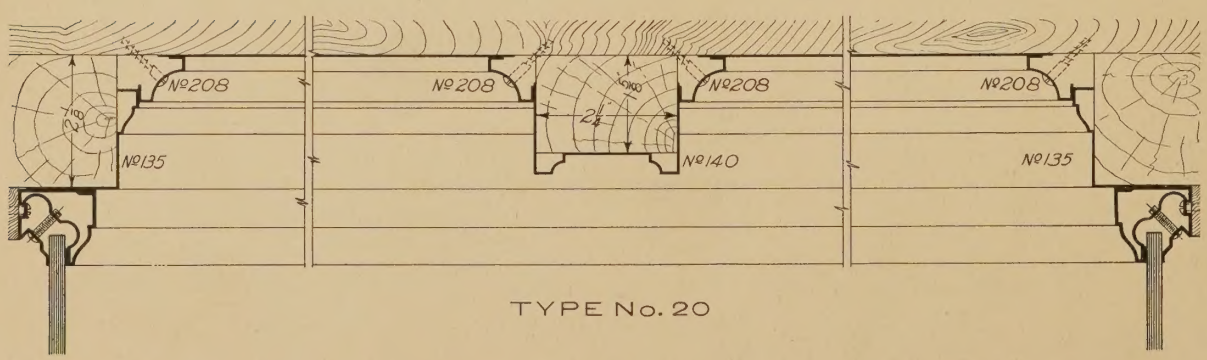




METAL CEILING

ONE-HALF FULL SIZE

With this construction it is possible to cover a wood ceiling with copper or bronze metal, thus obtaining a durable, fire-proof and well appearing soffit. The mouldings are arranged and shaped to permit the use of any practical size panels without the necessity of difficult copes and miters.

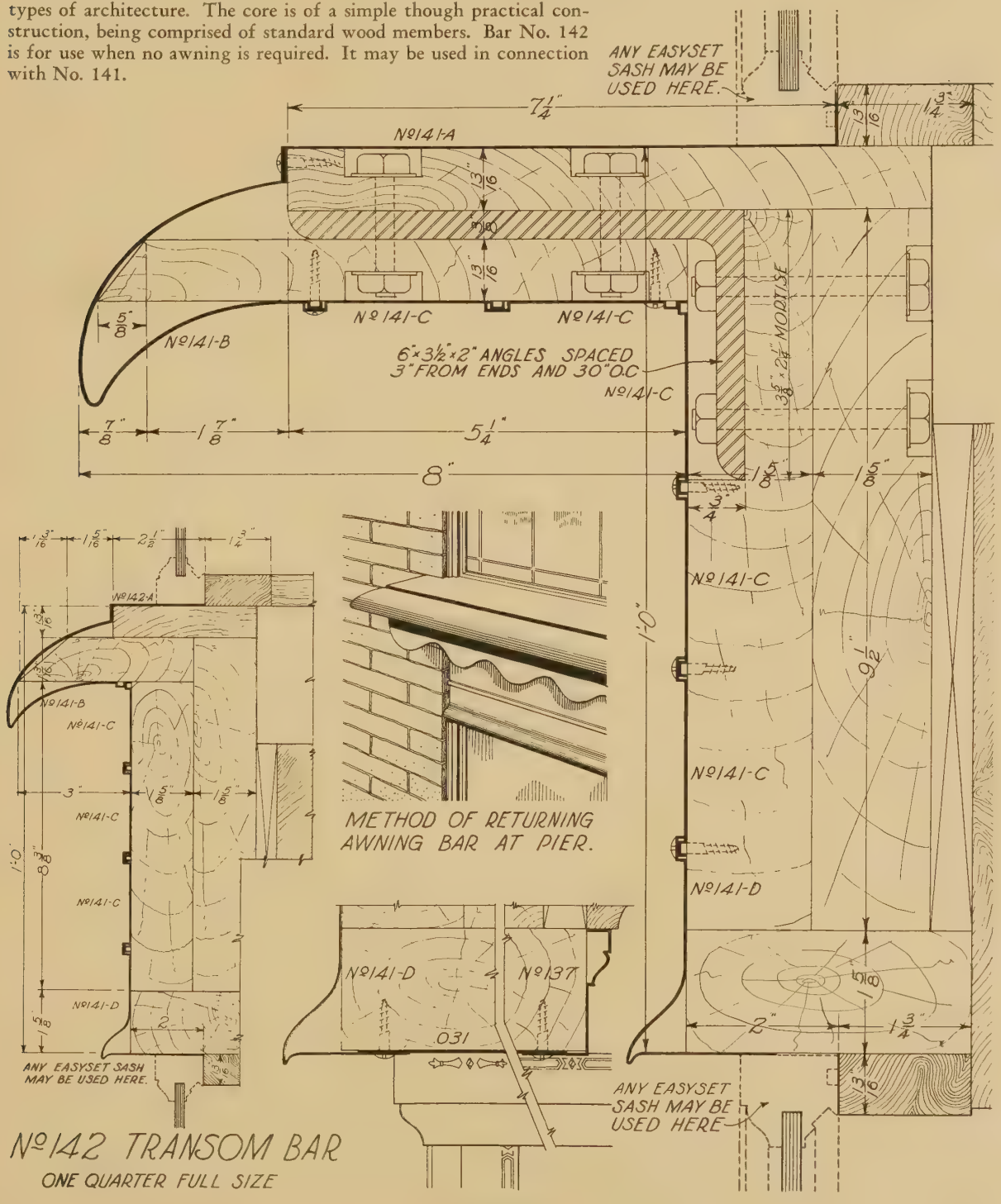


TYPE No. 20

No. 141 AWNING BAR

ONE-HALF FULL SIZE

This bar provides a splendid covering for the awning. It possesses strong, bold lines, thus making a unit that will harmonize with all types of architecture. The core is of a simple though practical construction, being comprised of standard wood members. Bar No. 142 is for use when no awning is required. It may be used in connection with No. 141.



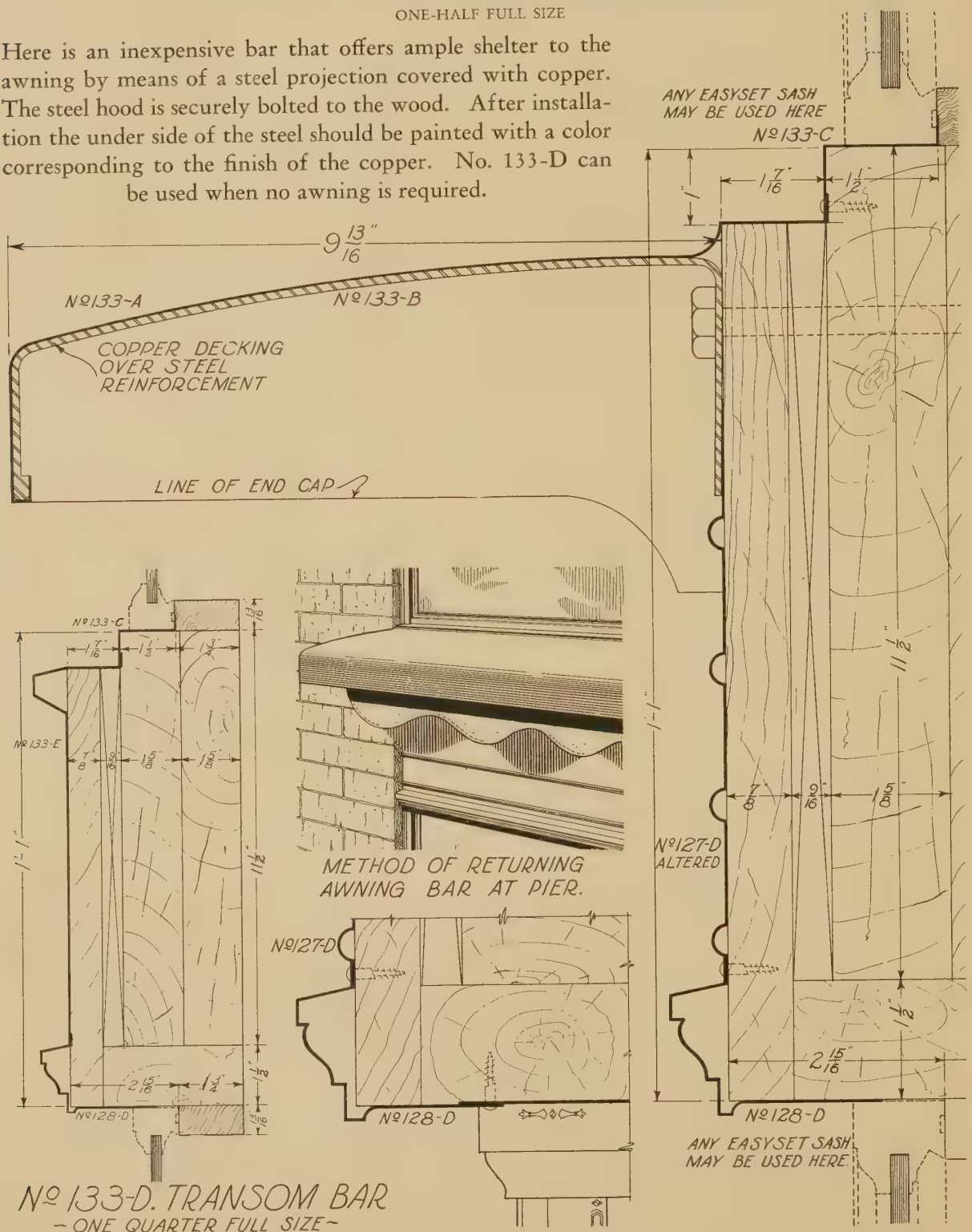
№142 TRANSOM BAR

ONE QUARTER FULL SIZE

No. 133 A. B. AWNING BAR

ONE-HALF FULL SIZE

Here is an inexpensive bar that offers ample shelter to the awning by means of a steel projection covered with copper. The steel hood is securely bolted to the wood. After installation the under side of the steel should be painted with a color corresponding to the finish of the copper. No. 133-D can be used when no awning is required.



№ 133-D. TRANSOM BAR

~ ONE QUARTER FULL SIZE ~

No. 132 A. B. AWNING BAR

ONE-QUARTER FULL SIZE

Another type of awning bar that is preferred by many. The moulding on the face of the hood is of an entirely different design from those shown on the preceding pages. It is very massive in construction, thus making it desirable for certain types of store fronts.

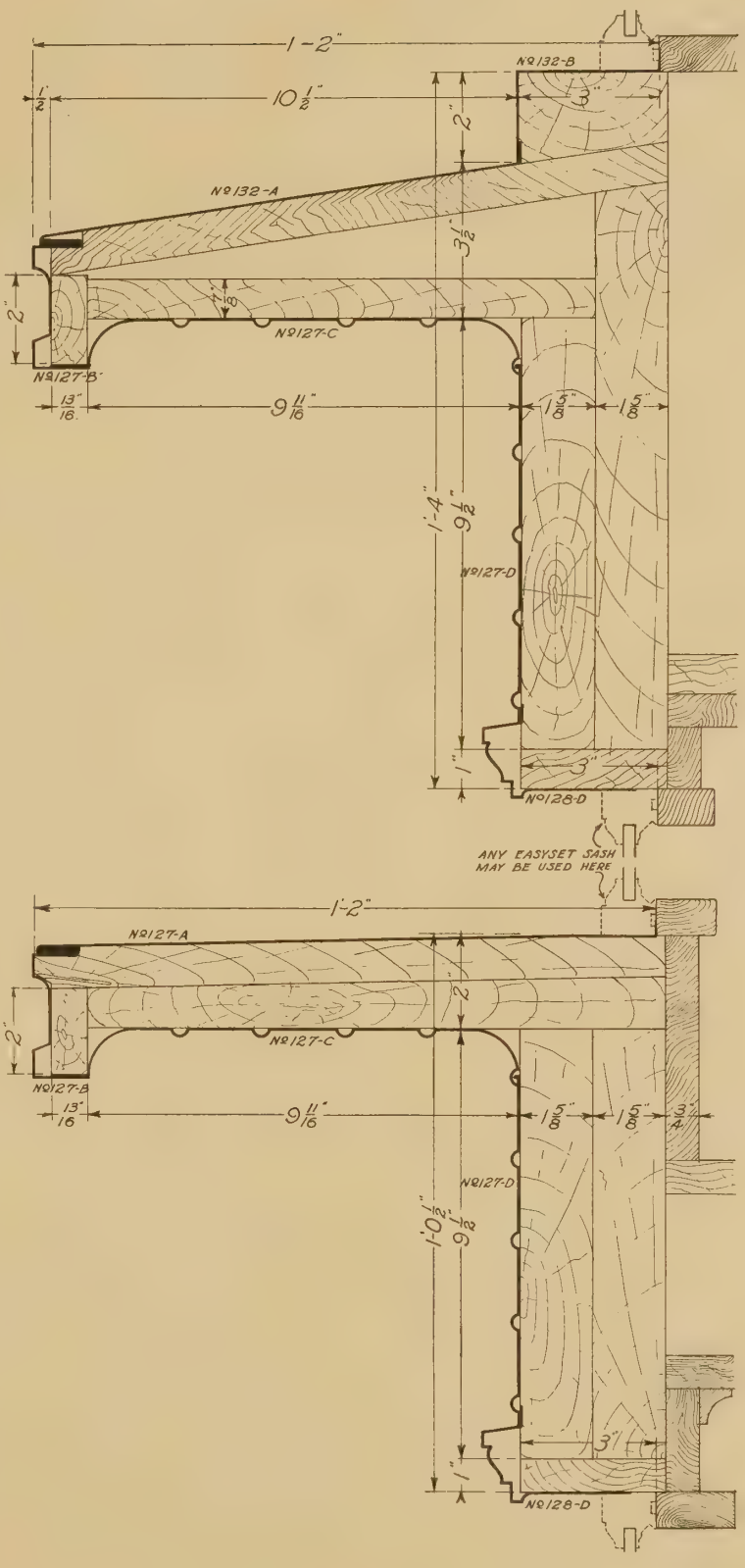
No. 133-D TRANSOM BAR

For detail of this bar refer to page No. 10. With slight adjustments this bar can be used in connection with awning transom bars No. 132 A.B. and No. 127.

No. 127 AWNING BAR

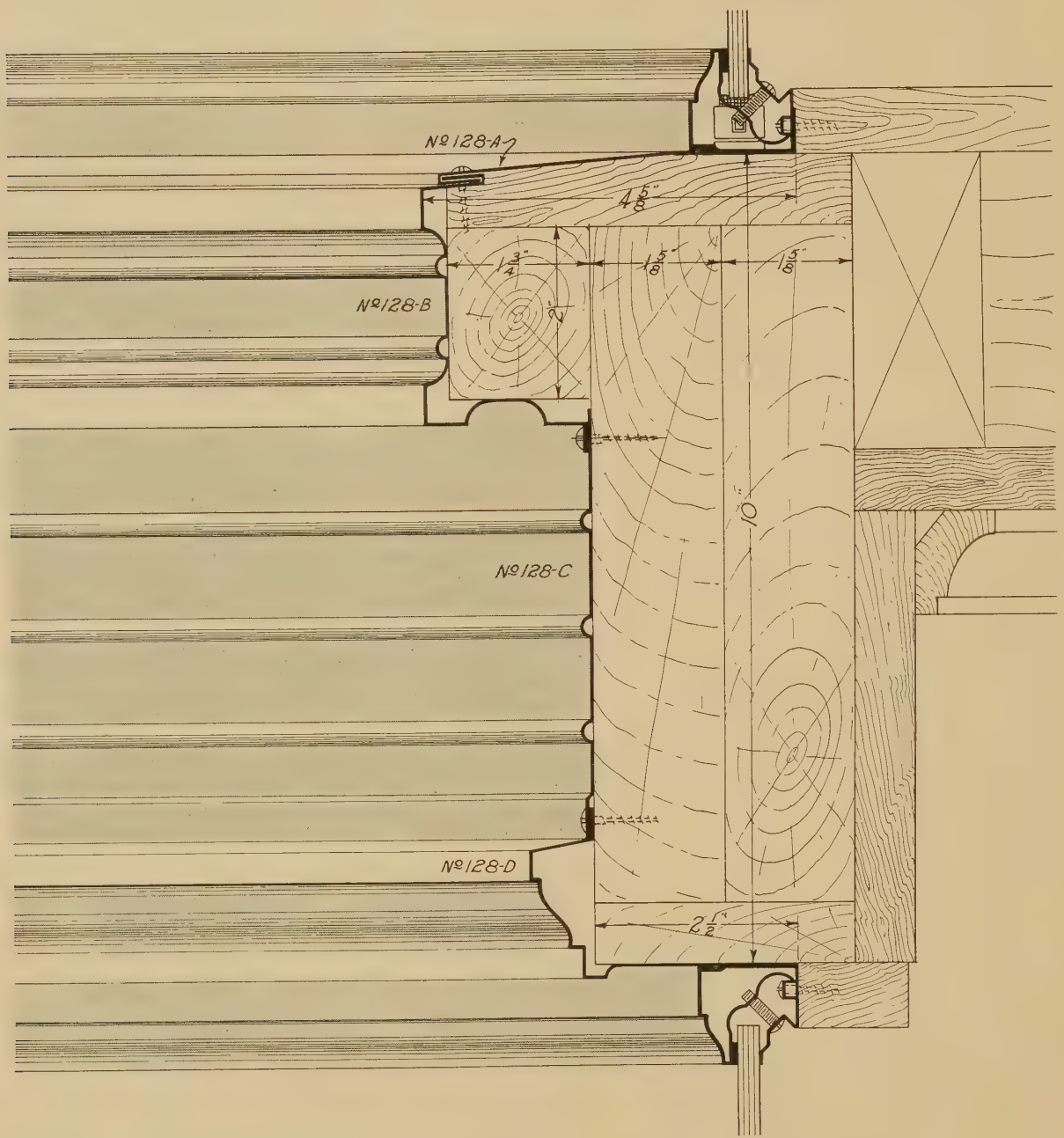
ONE-QUARTER FULL SIZE

Similar in construction to No. 132 A.B., with the exception of the over-all height. The woodwork is of standard sizes and easy to install.

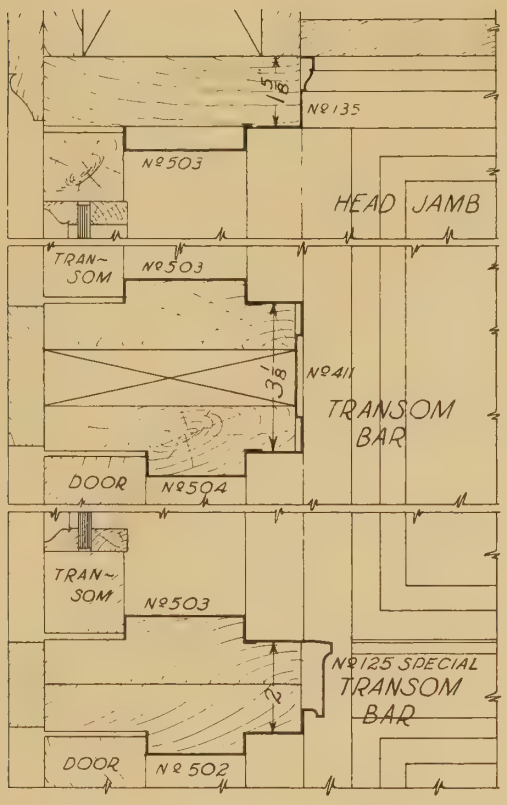


No. 128 TRANSOM BAR

ONE-HALF FULL SIZE



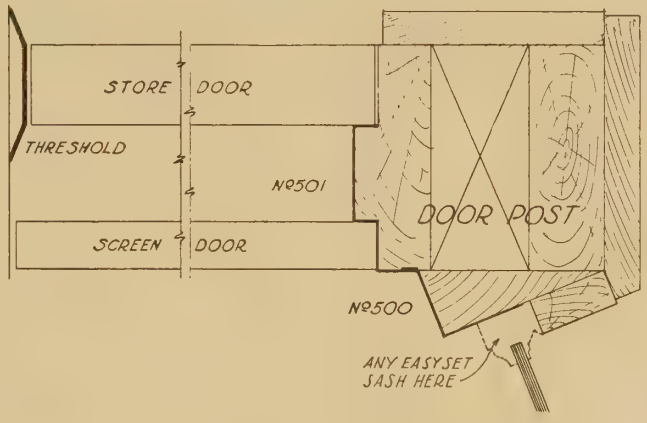
Frequently used when a wide transom bar is required without the awning protection. As the lines of this bar are well proportioned, it makes a splendid division between plate glass and transom. Other bars of this character can be built by combining certain metal mouldings, a selection of which is featured in this catalog under "Architectural Mouldings," page No. 29.



METAL COVERING FOR WOOD DOOR FRAME

ONE-QUARTER FULL SIZE

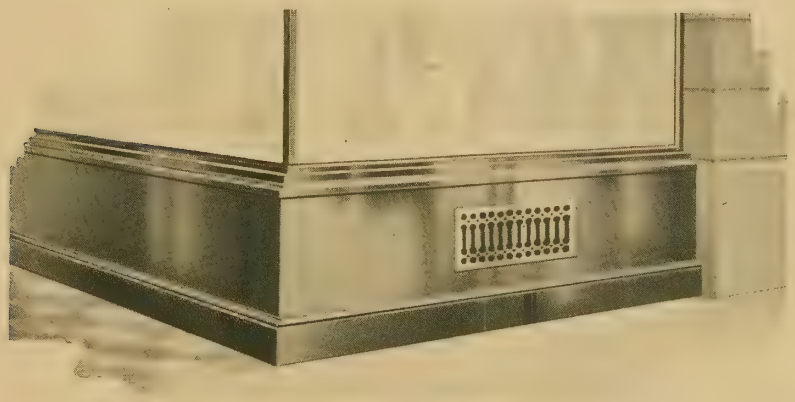
One should not overlook the protective qualities offered in the metal covering as here detailed. We can furnish this construction in several different styles and sizes. Rustless metal doors also can be provided if desired.

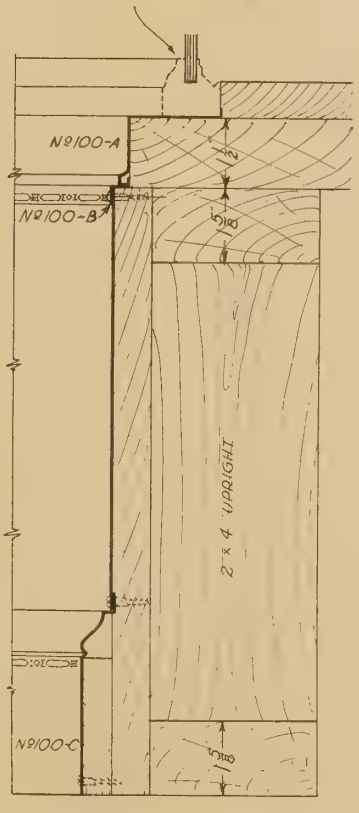


No. 100 BULKHEAD

ONE-QUARTER FULL SIZE

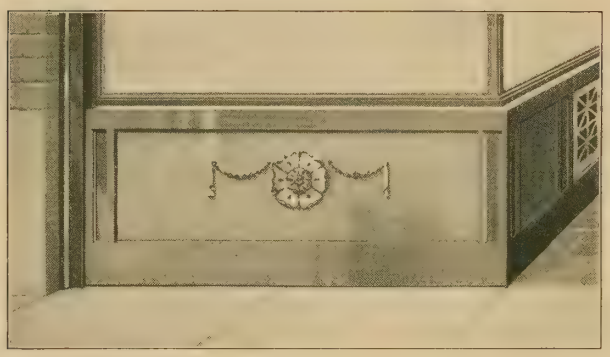
This beautiful bronze or copper bulkhead makes a splendid base for a show window. It is unusual in design and conforms with the modern trend of architecture. The metal used is of an extra-heavy gauge and it can be embellished when desired.



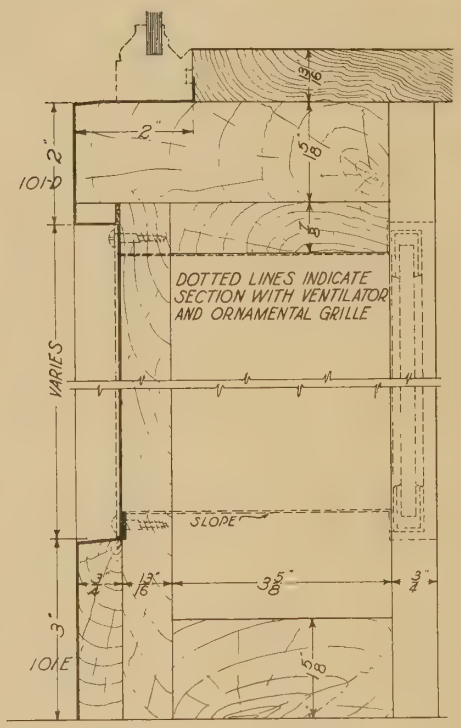


No. 101 BULKHEAD

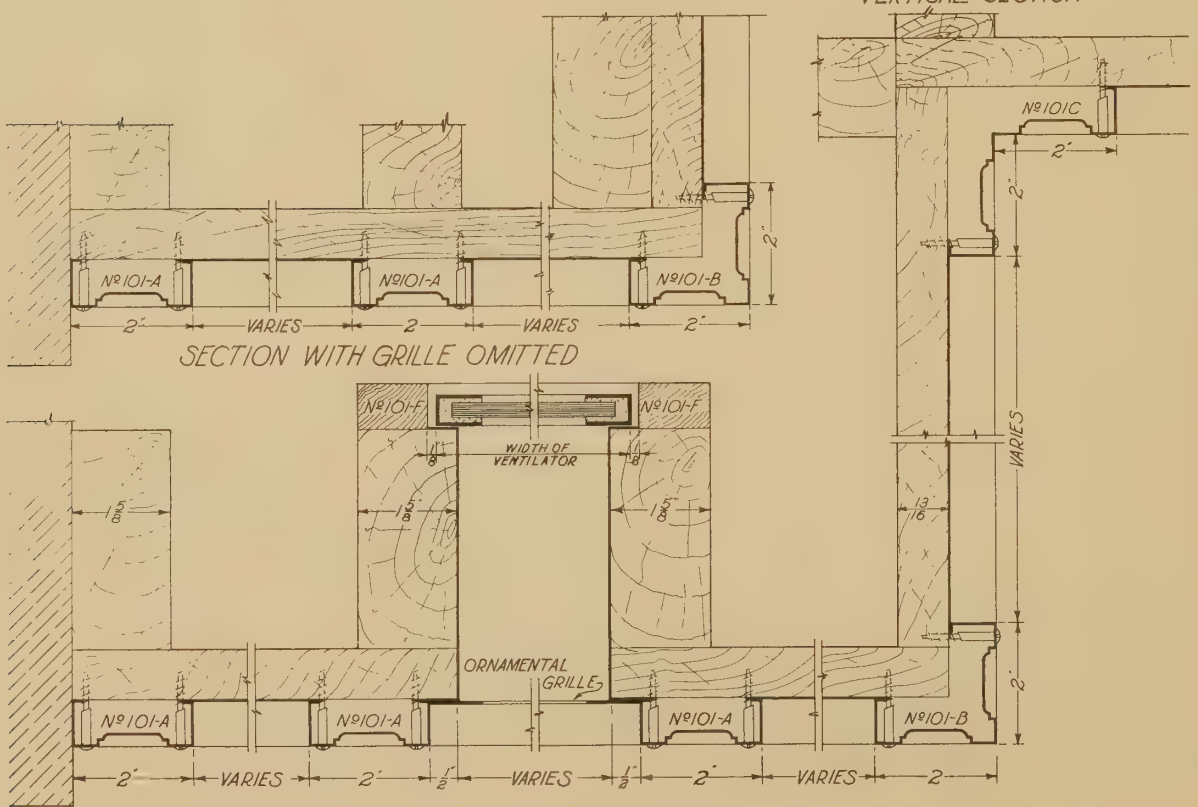
ONE-THIRD FULL SIZE



Another bulkhead construction that is covered with bronze or copper mouldings of extra-heavy gauge. It is of the type that can be paneled and adjusted to many different designs.

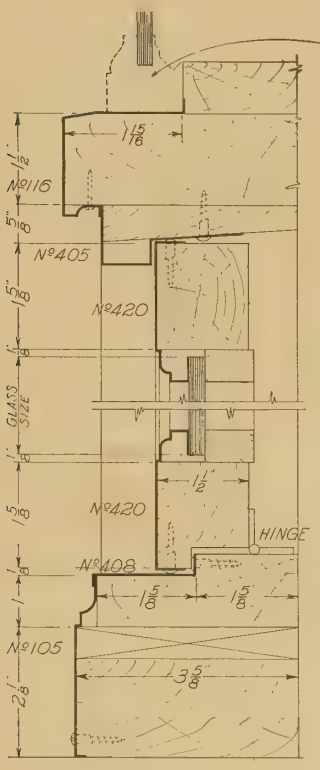


VERTICAL SECTION

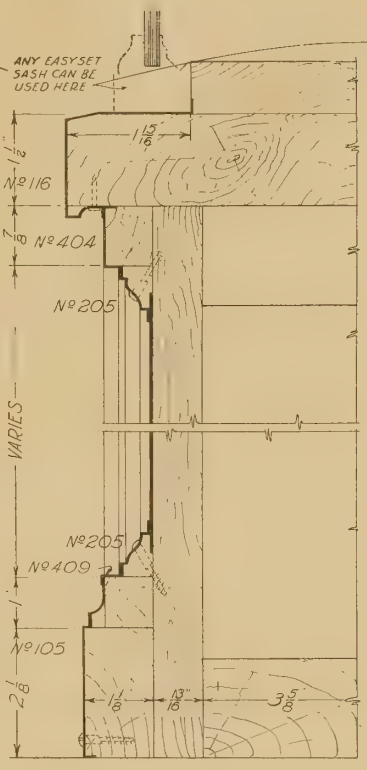


SECTION WITH GRILLE OMITTED

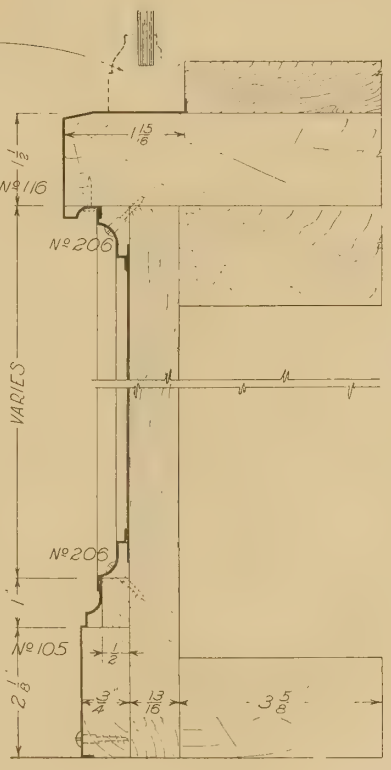
HORIZONTAL SECTION WITH GRILLE



VERTICAL SECTION THRU B-B



VERTICAL SECTION THRU -A-A

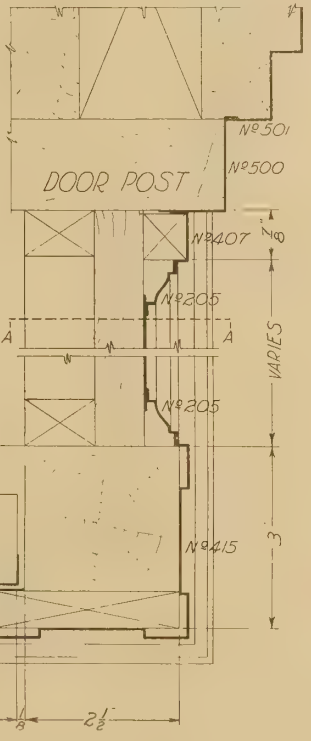


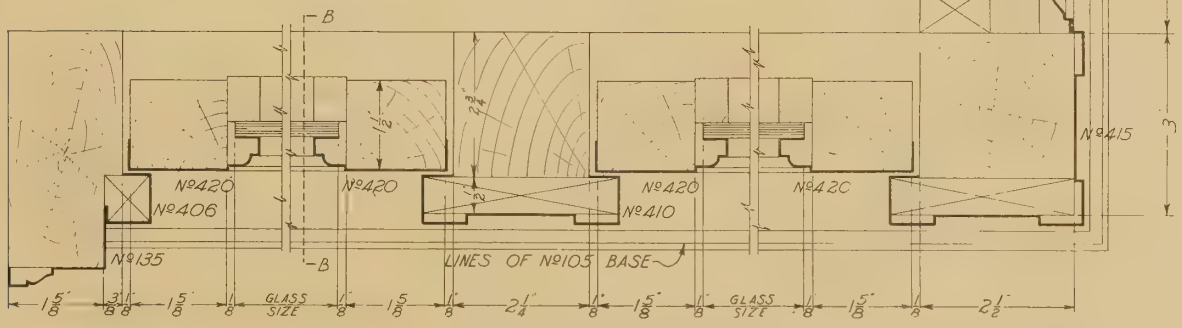
VERTICAL SECTION USING M.L.DG. №206

BULKHEADS

ONE-THIRD FULL SIZE

The types shown on this page have been widely used and have always proven practical. The sectional view in the upper left-hand corner, and below, shows in detail a bulkhead that permits access to the basement from the sidewalk.

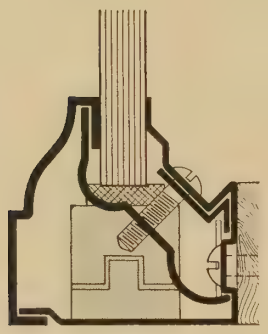




SIDE JAMB MULLION CORNER POST

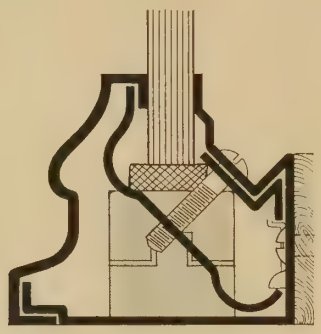
SASH

FULL SIZE



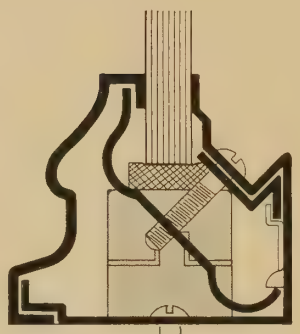
25-B

A sash made of heavy metal for all around use. Set from inside—no screws through face.



25-C

An extra-heavy sash for holding large plates of glass. It is arranged for use with backing.

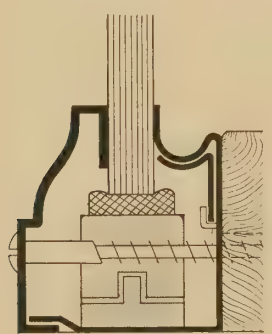


25-D

Similar to 25-C, except that it is self-supporting. Its lines are well proportioned and defined.

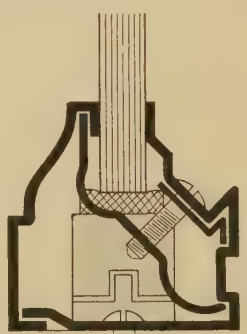
All Easyset sash are made of solid copper or bronze. They possess handsome lines and blend well with any type of architecture. All sash are equipped with a 4″ adjustable setting block padded with leather. Holes in gutter and face, when desired, provide drainage and ventilation, while slide in gutter gives ventilation control.

With exception of 25-E the face members of all sash are chased with the ornamental design as shown above, if desired.



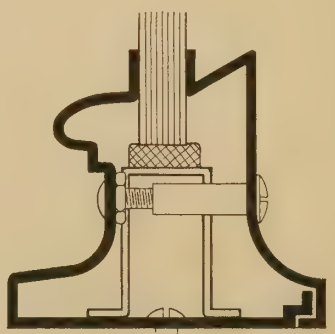
25-E

An inexpensive sash that can be installed from outside. Permits use of a high backing in rear.



26-A

Made of extra-heavy metal to withstand unusual wind pressure. Made for use with or without backing.



27-A

A sash of beautiful lines. Self-supporting—permits inside glazing; punched for ventilation if ordered.

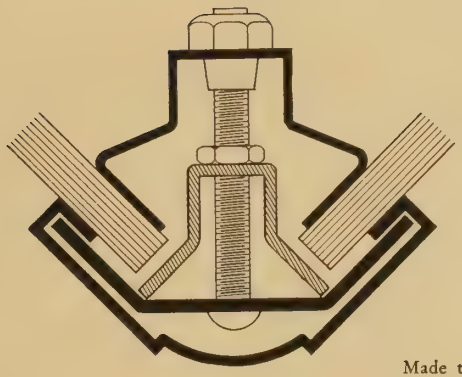
CORNER BARS

4-A

A bar for holding small plates of glass. Neat, compact and sturdy.

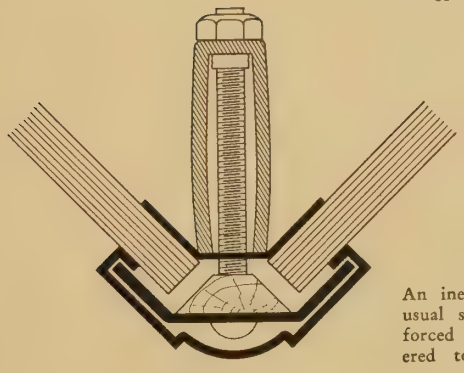
4-B

Slightly larger than 4-A. Will withstand unusual wind pressure and has wide purchase on glass.



4-C

Made to support extra large plates under violent wind. Note the steel reinforcement is enclosed with solid copper or bronze members.



13-B

An inexpensive bar of unusual strength. Steel reinforced on inside, and covered to prevent corrosion.

FULL SIZE

All Easyset corner bars possess neat, narrow lines. They are constructed of solid copper or bronze, as preferred, and in some cases are reinforced with steel.

It is interesting to note how positive the face and spring members grip the glass. The corner bars, as listed, can be made in different angles to meet the job's requirements.

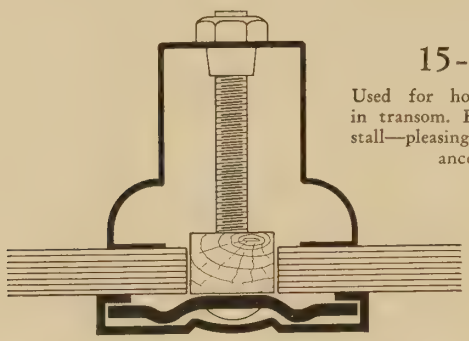
With exception of 13-B, the face members of all bars bear the ornamental chasing as shown above, if desired.

DIVISION BARS

FULL SIZE

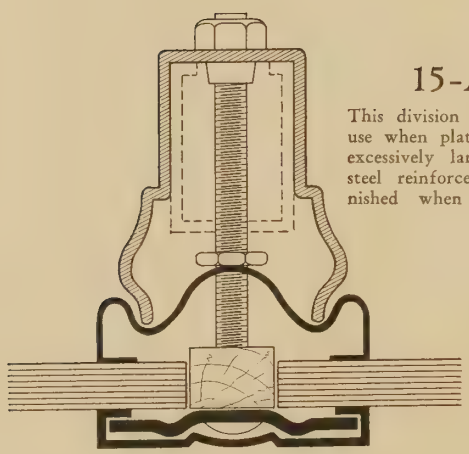
Here is a series of bars for adjoining two plates of glass on one plane. They have narrow, graceful lines and are rigid in construction. Furnished in solid copper or bronze, except where otherwise indicated. The steel reinforcement has a protective coating to prevent corrosion.

With the exception of No. 13-A the face members of all bars bear the ornamental chasing if desired.



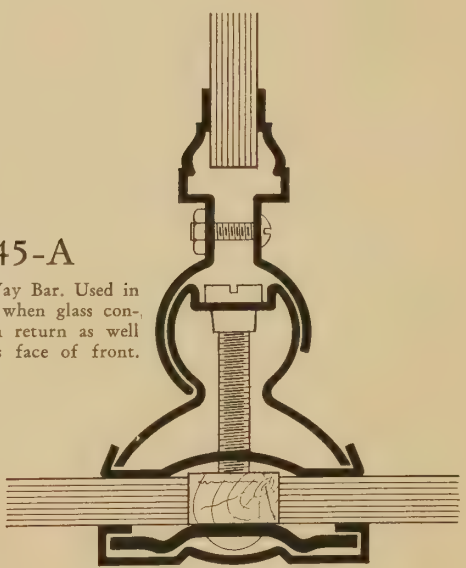
15-B

Used for holding glass in transom. Easy to install—pleasing in appearance.



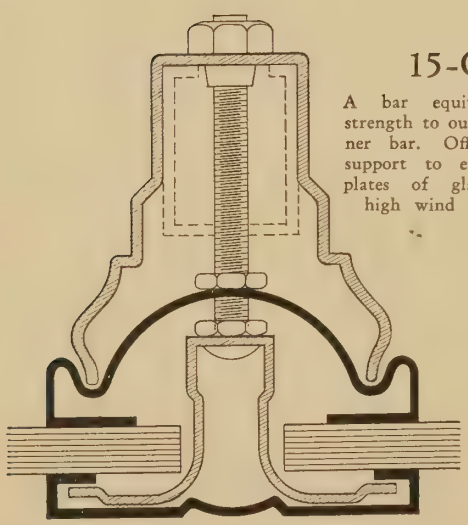
15-A

This division bar is for use when plates are not excessively large. Extra steel reinforcement furnished when necessary.



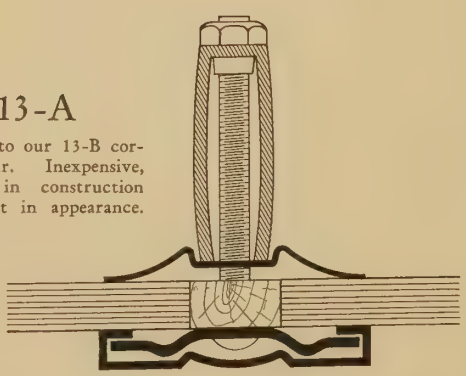
45-A

Three Way Bar. Used in transom when glass continues in return as well as across face of front.



15-C

A bar equivalent in strength to our 4-C corner bar. Offers ample support to extra large plates of glass under high wind pressure.



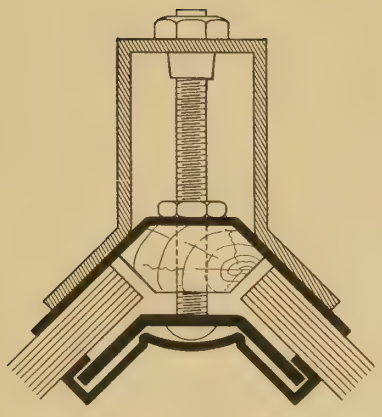
13-A

Similar to our 13-B corner bar. Inexpensive, sturdy in construction and neat in appearance.

REVERSE BARS

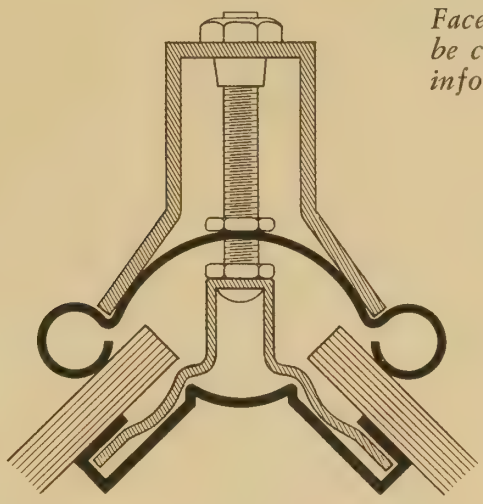
FULL SIZE

Face of 35-B-W and 35-C can be chased, if desired. Steel reinforcement coated to prevent corrosion.



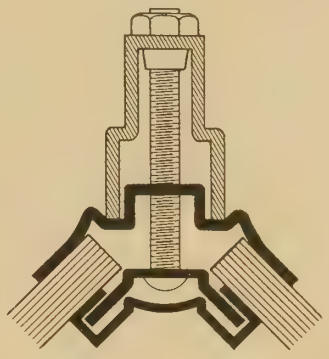
35-B-W

A medium weight bar for adjoining two plates that meet at reverse angles.



35-C

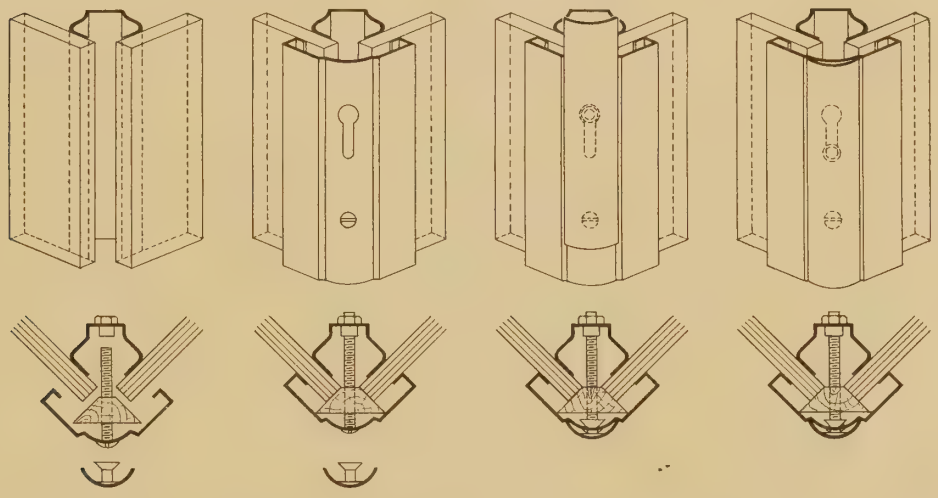
Similar to 35-B-W, but of much heavier construction. Used for extra large plates.



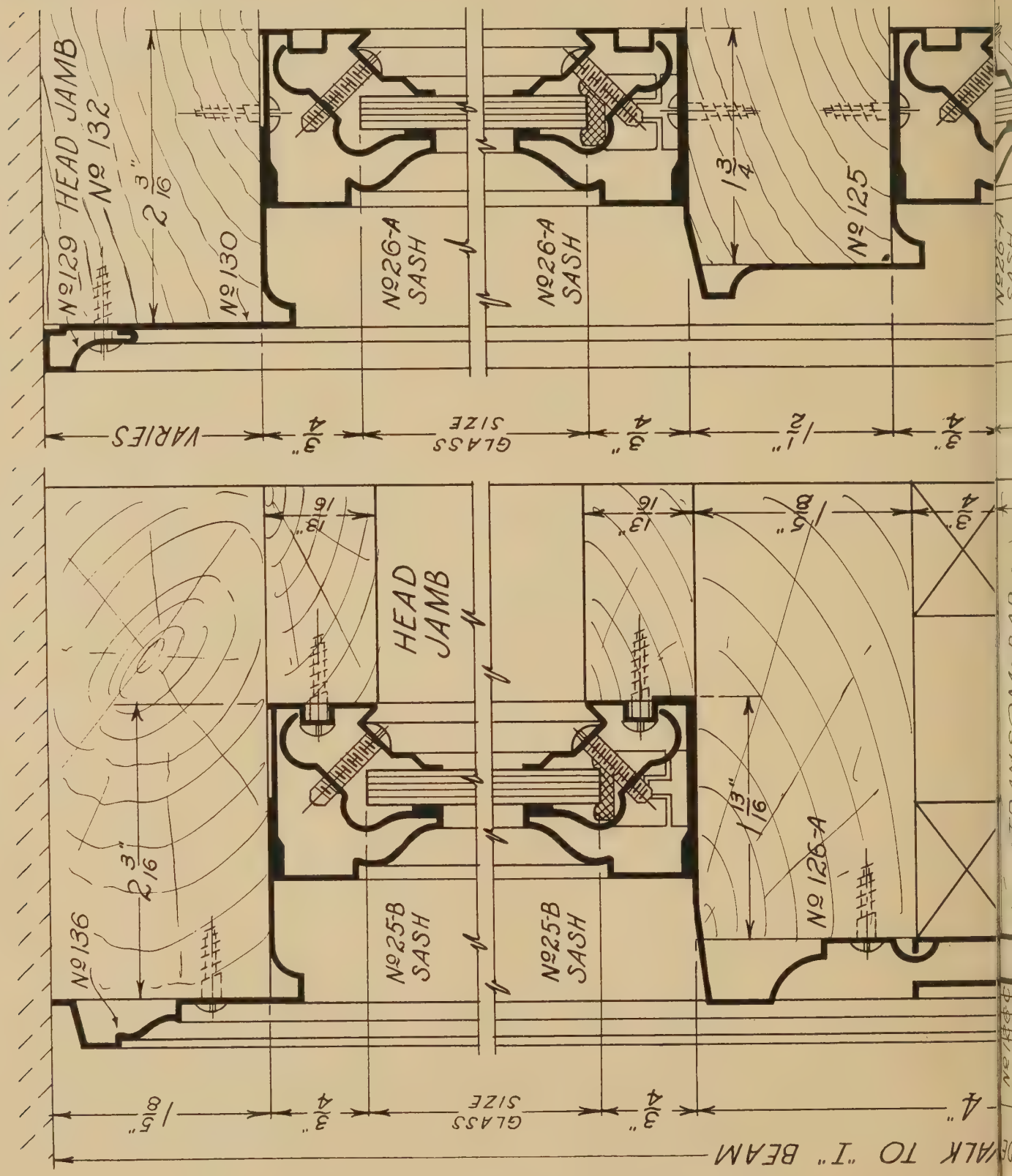
13-C

This light weight bar should be used only with small plates of glass.

BARS INSTALLED FROM OUTSIDE

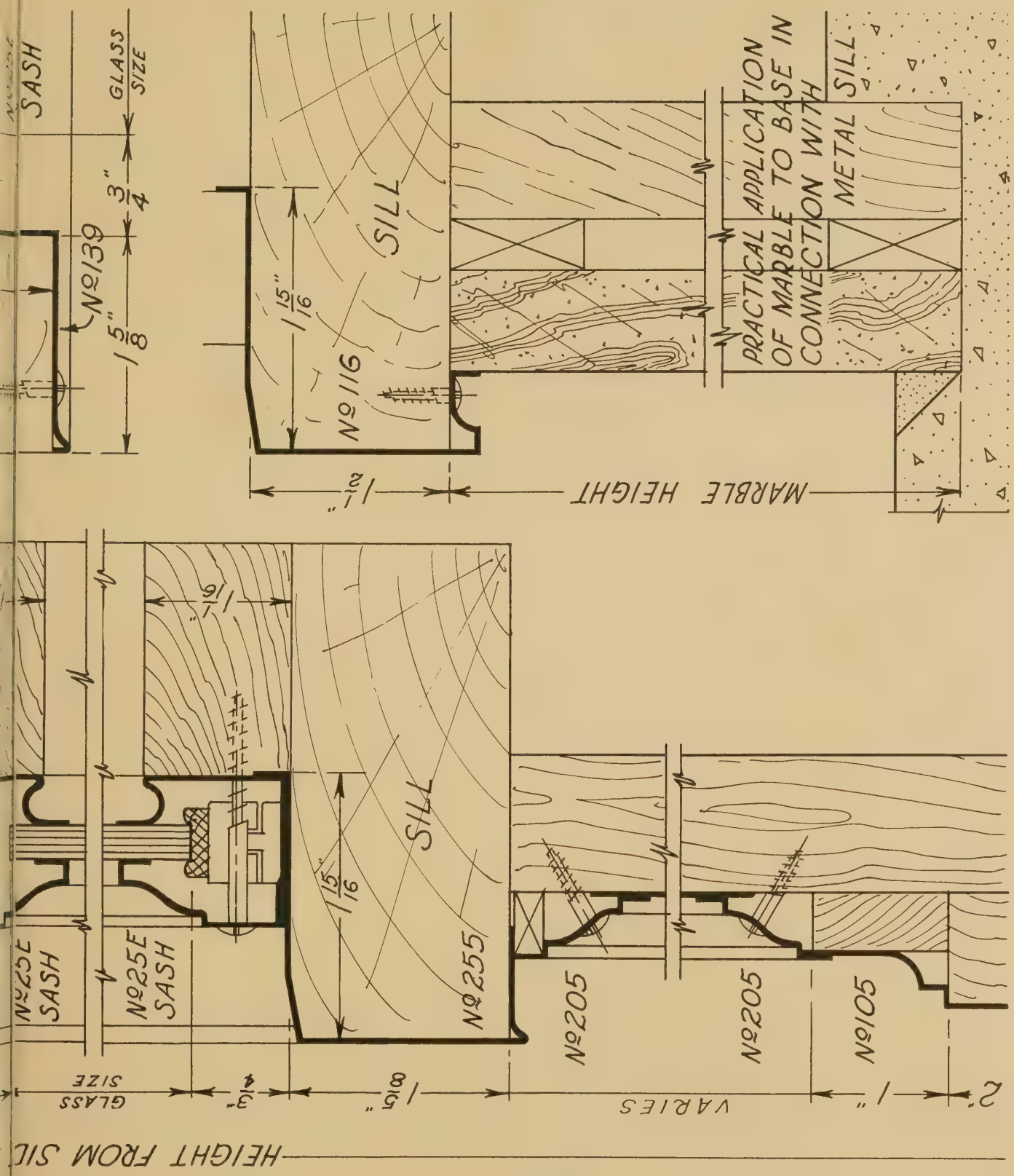


It frequently happens that a corner or division bar must be installed in front of a supporting post or other obstruction. As it is impossible to install our bars in the regular way when such conditions exist, we have designed and patented special bars to be installed from the outside without exposing screws on the face of the bead. As can be observed from the above detail, these bars are assembled by means of slotted head machine screws that engage barrel nuts, the latter being solidly anchored to the back member. The back member is first put in place, then the glass set and the face member installed by turning the machine screws. The face member is equipped with fixed buttons over which the finishing bead member is slipped on for final assembly. This gives the bar the same appearance as when installed in the regular way.

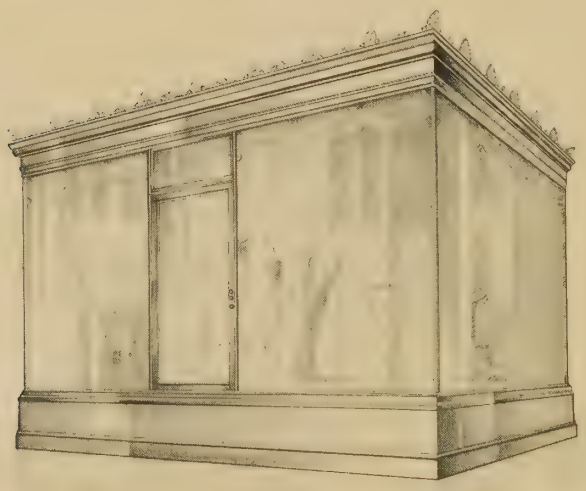

№129 HEAD JAMB
№132
2 3/16"
№130
№26-A SASH
№26-A SASH
1 3/4"
№125
VARIES
3/4"
GLASS SIZE
3/4"
1/2"
3/4"
HEAD JAMB
13/16"
5/8"
2 3/16"
№136
№25-B SASH
№25-B SASH
1 13/16"
№128-A
3/4"
GLASS SIZE
3/4"
4"
WALK TO "I" BEAM

HEIGHT FROM SIDE
GLASS SIZE
13/4"
GLASS SIZE
13/4"
1 1/2"
Nº136-C LENGTHENER
TRANSOM BAR Nº126
Nº126-B
Nº225-B SASH
TRANSOM BAR
Nº225-B SASH
SILL
Nº116
Nº205
1 15/16"
Nº220-A SASH
FLAT
Nº137
UNDER COVERING (OVER ENTRANCE)
SIDE JAMB Nº133
VARIES
Nº 26-A SASH
SIDE JAMB
Nº131
Nº129
1 5/8"
Nº26-A SASH
SIDE JAMB
Nº135

Nº254 HEAD & SIDE JAMB
USED WITH Nº252 MOULD.
Nº254
Nº252
SIDE JAMB
Nº25F
HEAD JAMB
Nº138
Nº25E SASH
Nº25E SASH
TRANSOM BAR
Nº255
GLASS SIZE
WALK TO "I" BEAM


SASH
GLASS SIZE
3/4"
№139
1 5/8"
SILL
№116
1 15/16"
1/2"
MARBLE HEIGHT
PRACTICAL ADDLICATION OF MARBLE TO BASE IN CONNECTION WITH METAL SILL
1 1/16"
SILL
№255
1 15/16"
№225E SASH
№225E SASH
GLASS SIZE
3/4"
1 5/8"
№205
№205
№105
VARIES
1"
2"
HEIGHT FROM SIL

SHOW CASE DOORS AND VENTILATORS



Without Transom

With Transom

Easyset show case doors and ventilators are not solely confined to the uses which their names imply. Aside from giving access to island cases they can be applied as ventilators in transoms, second-story windows and in many other places too numerous to mention.

The construction members consist of solid nickel-silver, a metal that is positively rust-proof. As the stiles and rails are small in size they do not obstruct the display. All doors are equipped with felt weather-strips, thus making them dust-proof—a noteworthy feature.

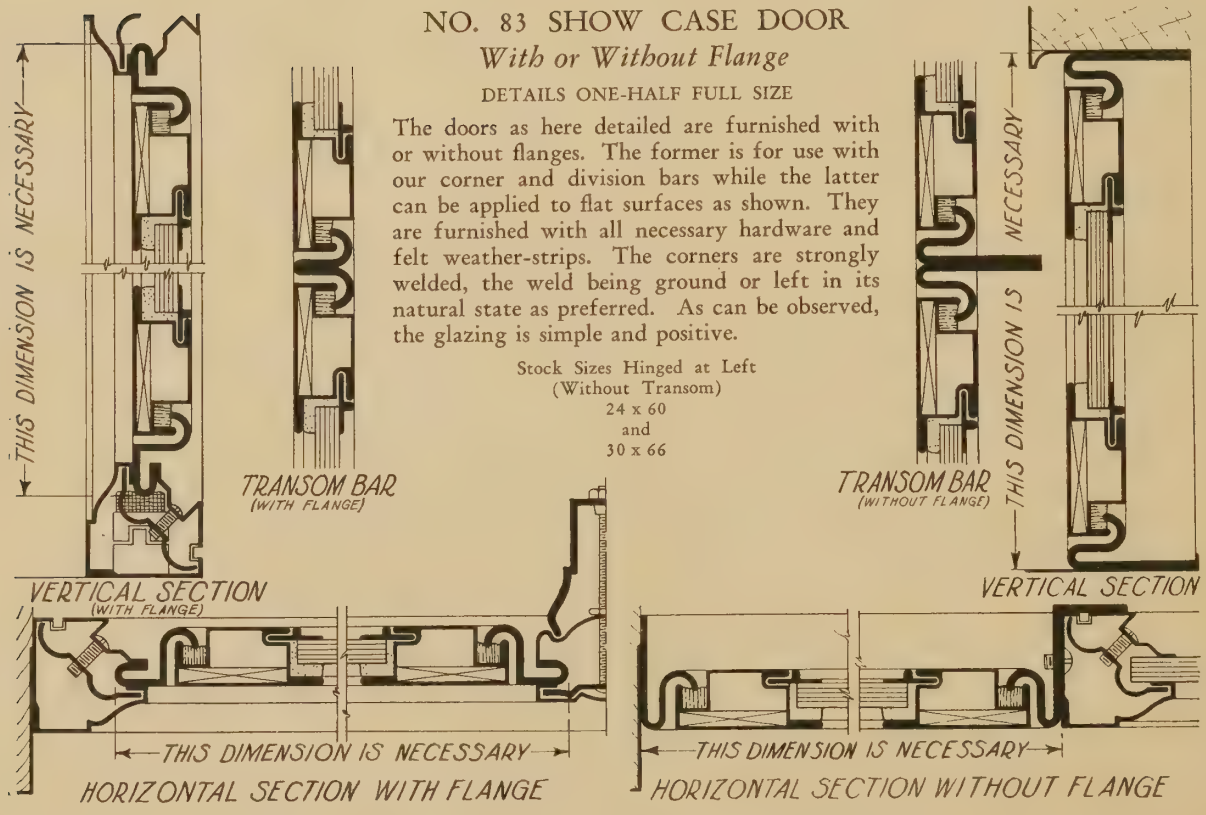
NO. 83 SHOW CASE DOOR

With or Without Flange

DETAILS ONE-HALF FULL SIZE

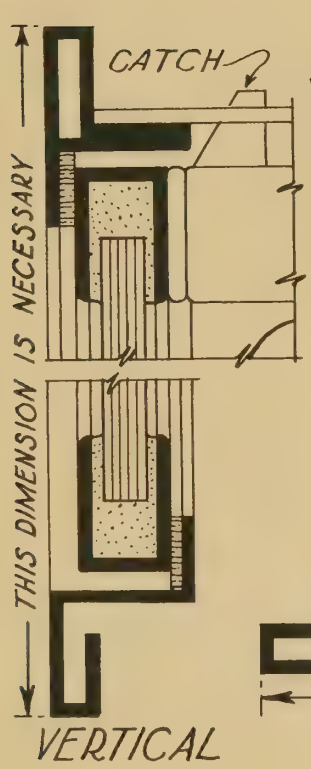
The doors as here detailed are furnished with or without flanges. The former is for use with our corner and division bars while the latter can be applied to flat surfaces as shown. They are furnished with all necessary hardware and felt weather-strips. The corners are strongly welded, the weld being ground or left in its natural state as preferred. As can be observed, the glazing is simple and positive.

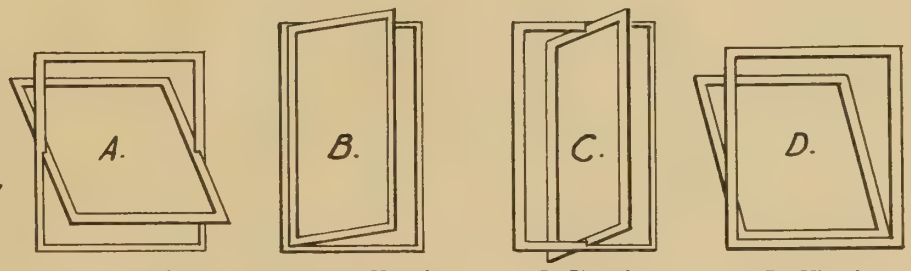
Stock Sizes Hinged at Left
(Without Transom)
24 x 60
and
30 x 66



No. 84 PIVOTED VENTILATOR

FULL SIZE





84-A—Pivoted at sides to swing in at top. Maximum width, 30″.

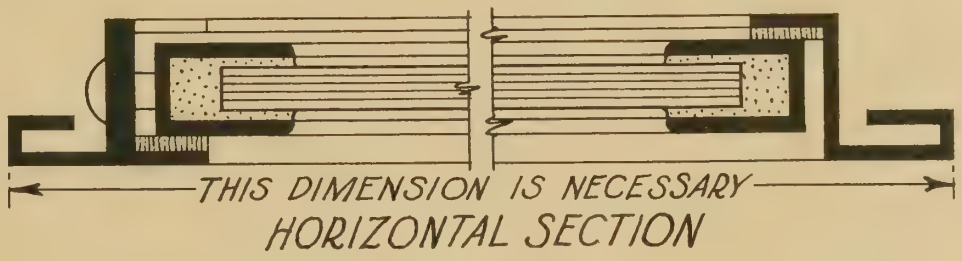
84-B — Hinged left to open out. Maximum width, 24″.

84-C—Pivoted at top and bottom. Maximum width, 30″.

84-D—Hinged at bottom to open in. Maximum width, 30″.

For use where small ventilators and swinging sash are required such as in transoms, bulkheads, etc. Built of solid nickel-silver and furnished with necessary hardware. Not recommended for glass area exceeding 6.7 square feet.

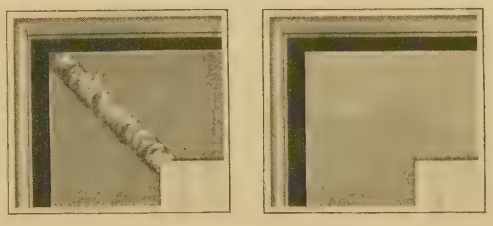
Stock sizes, 24″ x 30″, and 30″ x 24″.



INSTRUCTIONS FOR ORDERING SHOW CASE DOORS

Positively state how the door is to be set at each side, top and bottom. If set directly against jambs or sill, specify without flanges and the frame will be made flat with holes punched for wood or machine screws. If set in Easyset bars or sash at any or all sides, specify with flanges and state what Easyset members are to be used and on which sides. If a corner bar is used at either side, give degree of angle as well as the number of the bar.

If the door is set in Easyset members, the frame is provided with flanges for the sash or bars to grip. All bars made at an angle of less than 90° require a special flange. Regular flange can be used with all bars and sash except as mentioned above. Stationary transoms can be furnished above doors all in the same frame, but if this transom is not desired and the door does not extend to height of plate glass No. 15-B division bar without the stiffner may be used to hold top of frame and bottom of transom glass.



The illustration at the left shows the joint in its natural state while that at the right, ground and polished.

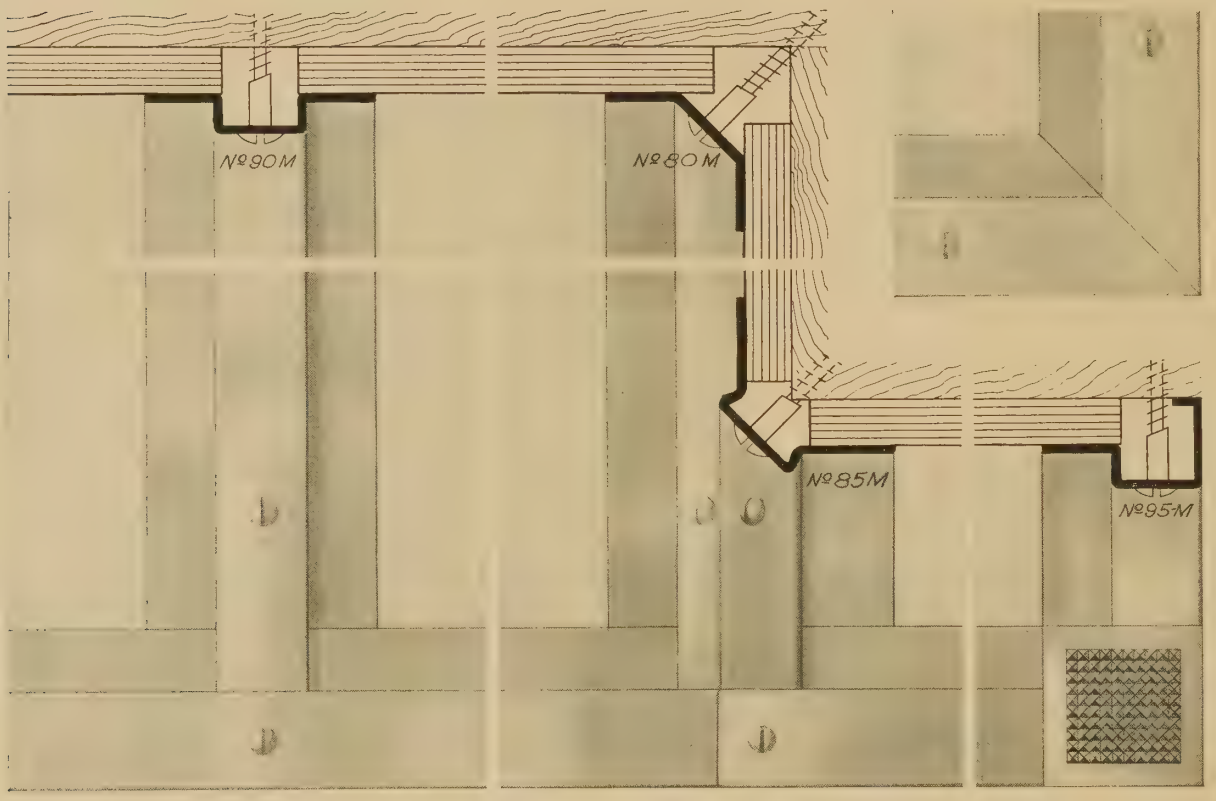
Dimensions should be given to points shown on details, that is, to extreme edge of door frame or of flange, if such is used. Be sure to state at which side the door or window will be hinged and if pivoted tell whether at top and bottom or at sides.

The maximum area of No. 83 Construction is 15 square feet and the maximum width of No. 83 is 33 inches. When necessary to fill a wider opening with a show case door, we suggest that a double door be used with single frame, one door being held in position with top and bottom shot bolts when not in use, and the other door locked into this one. Stock sizes, hinged at left, 24″ x 60″ and 30″ x 66″.

No. 84 Pivoted Ventilator is furnished with flanges only and can be pivoted top and bottom or on sides; also can be hinged on sides to swing out or on bottom to swing in. Glass area should not exceed 6.7 square feet. When ordering specify as per sketches, 84-A, 84-B, 84-C, and 84-D. Stock sizes 24″ x 30″ and 30″ x 24″.

MIRROR FRAME MOULDINGS

FULL SIZE



When properly assembled this combination of mouldings effects a splendid frame for mirrors, glass and marble of all kinds. The corners can be finished with the pressed design or plain miters as preferred. If the pressed corner is furnished a slight additional cost will be incurred. Mouldings are furnished in copper or bronze.

Illustration at left shows mirror covered pilaster, the corners, top and sides of which are protected by these mouldings.

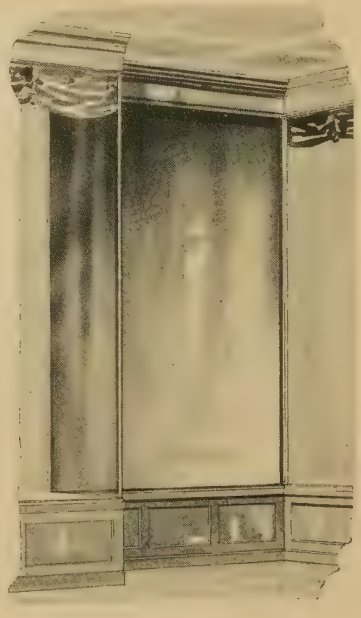
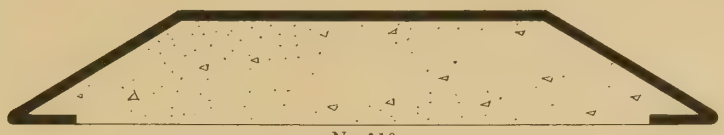


Illustration at right features mirror mouldings used in connection with glass placed against sidewall. Inexpensive and easy to install.

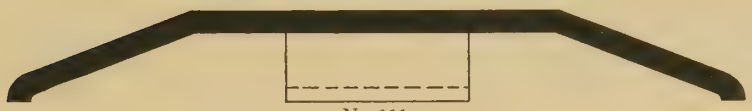
THRESHOLDS, KICKPLATES, ETC.

THRESHOLDS FULL SIZE

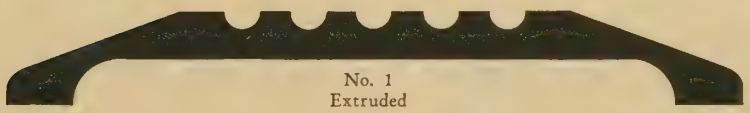
The thresholds featured below are all made from brass in the weight about as shown. Nos. 310 and 311 are cold-drawn, while the remaining three are extruded. They can be supplied in any length.



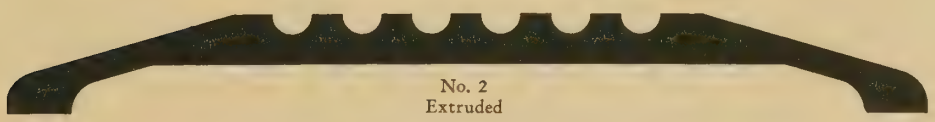
No. 310
For 1¾ and 2¼ doors



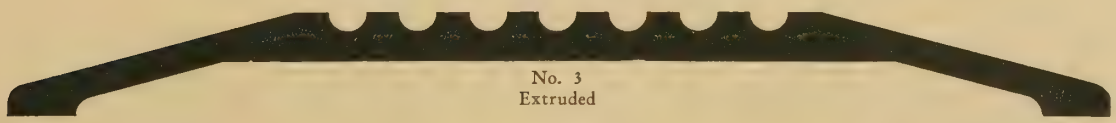
No. 311
For 1¾ and 2¼ doors



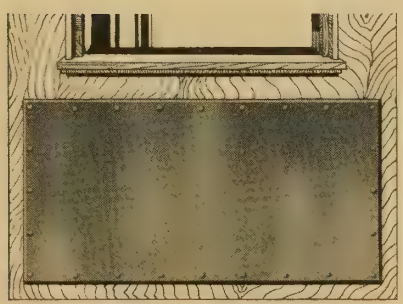
No. 1
Extruded



No. 2
Extruded



No. 3
Extruded



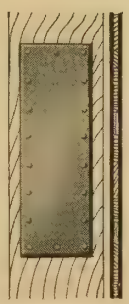
KICKPLATES

Sheared with clean edges from .050 copper, bronze or brass. Furnished in any size, with holes and screws.

STANDARD SIZES

28 x 10	28 x 12	28 x 14	28 x 16
34 x 10	34 x 12	34 x 14	34 x 16
40 x 10	40 x 12	40 x 14	40 x 16

(Furnished in special sizes on request.)



PUSH PLATES

Sheared with clean edges from .050 copper, bronze or brass. Furnished in any size, with holes and screws.

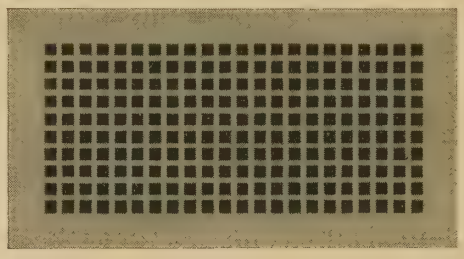
GRILLES

STAMPED AND SPECIAL

Shown on this page are six types of grilles, five of which are standard, while the sixth is special. The standard types are mechanically punched from .050 and .109 bronze or copper. The maximum size in either gauge is 24″ x 114″. When those furnished in the .050 metal exceed 24″ x 24″, reinforcements will be provided at back to assure ample strength. If furnished in sizes other than those indicated below, an extra charge will be made.

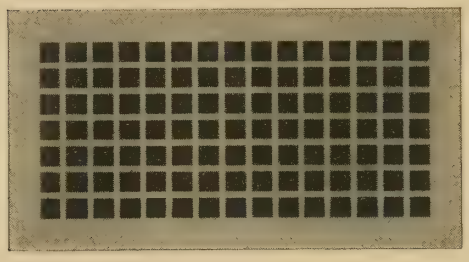
TYPE 1-G

Rectangular Openings
Stock Sizes
11″ x 5″ 18″ x 9″ 24″ x 10″



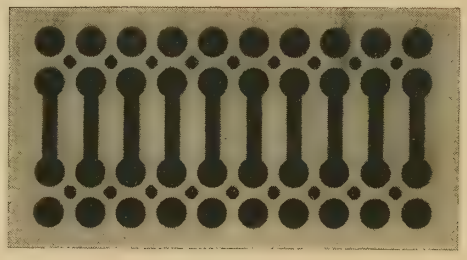
Type 2-G

Small Square Openings
Stock Sizes
11″ x 5″ 18″ x 9″ 24″ x 10″



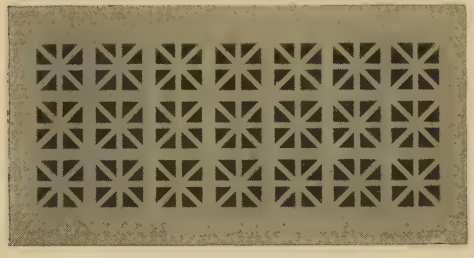
TYPE 3-G

Large Square Openings
Stock Sizes
11″ x 5″ 18″ x 9″ 24″ x 10″



TYPE 4-G

Ball and Slot Openings
Stock Sizes
11″ x 5″ 18″ x 9″ 24″ x 10″



TYPE 5-G

Clustered Union Jack
Stock Sizes
11″ x 5″ 18″ x 9″ 24″ x 10″

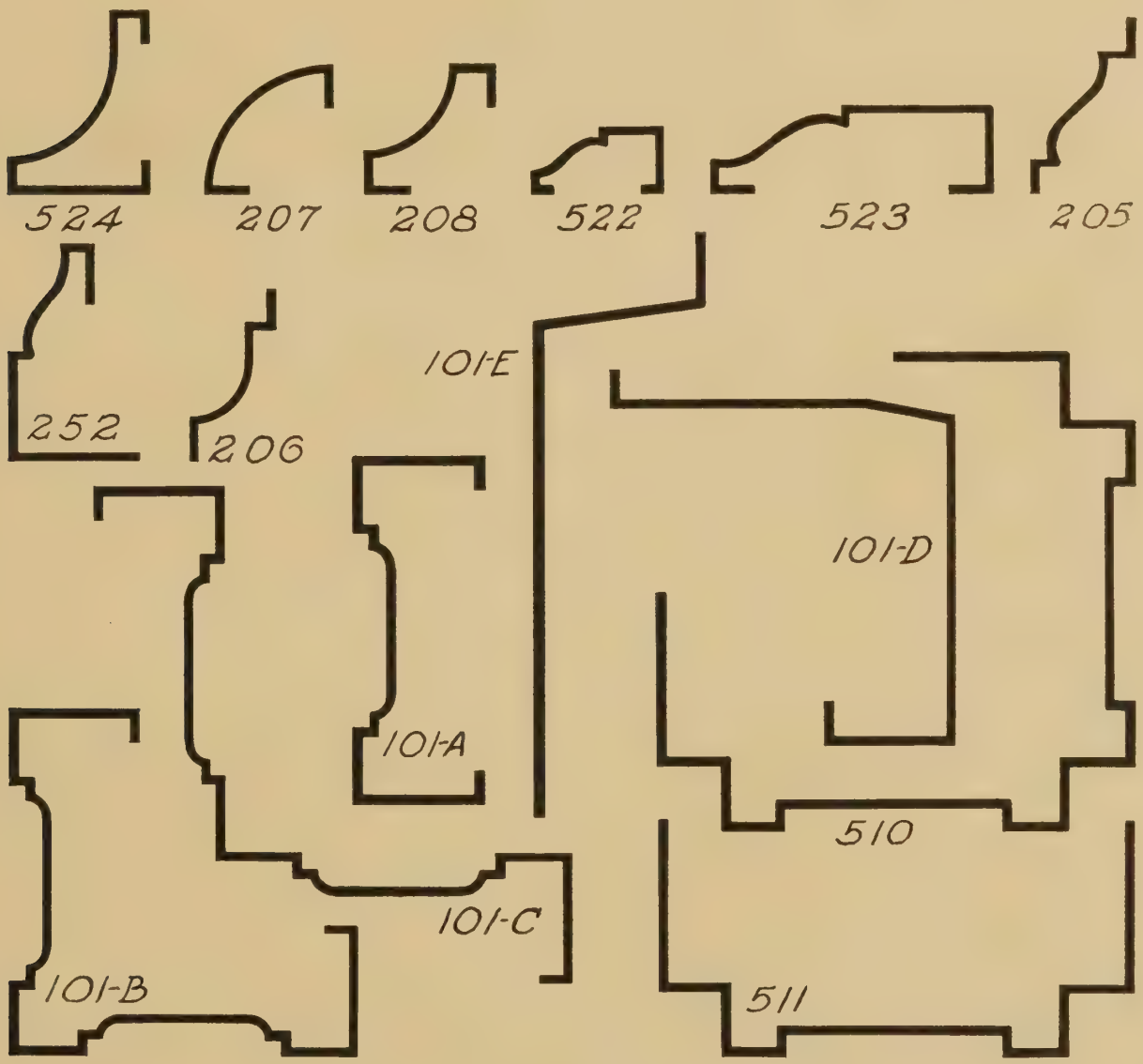
TYPE SPECIAL

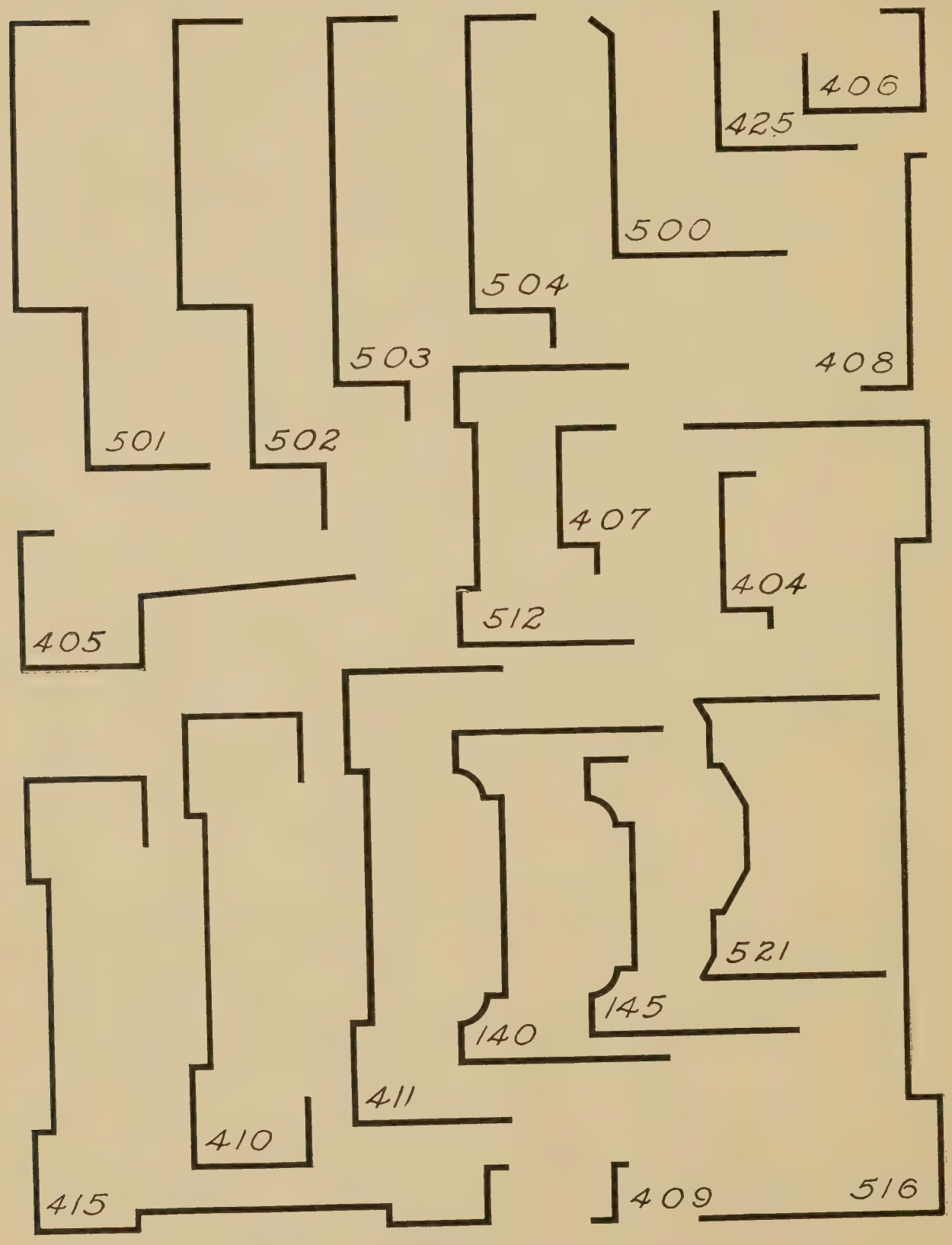
We are qualified to cut special designs to meet the requirements of the job. The cost for this work is determined by the time and material involved.

ARCHITECTURAL MOULDINGS

FULL SIZE

On this and the following three pages we feature a choice variety of cold-drawn mouldings that are carried in stock in solid copper or bronze. These mouldings serve excellently as glass stops, pilaster coverings, panels, cornices, etc. By making special adjustments, many practical combinations are obtained for interior and exterior use. If desired we will offer suggestions for various treatments to meet the requirements of the architect or contractor.




406
425
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504
503
408
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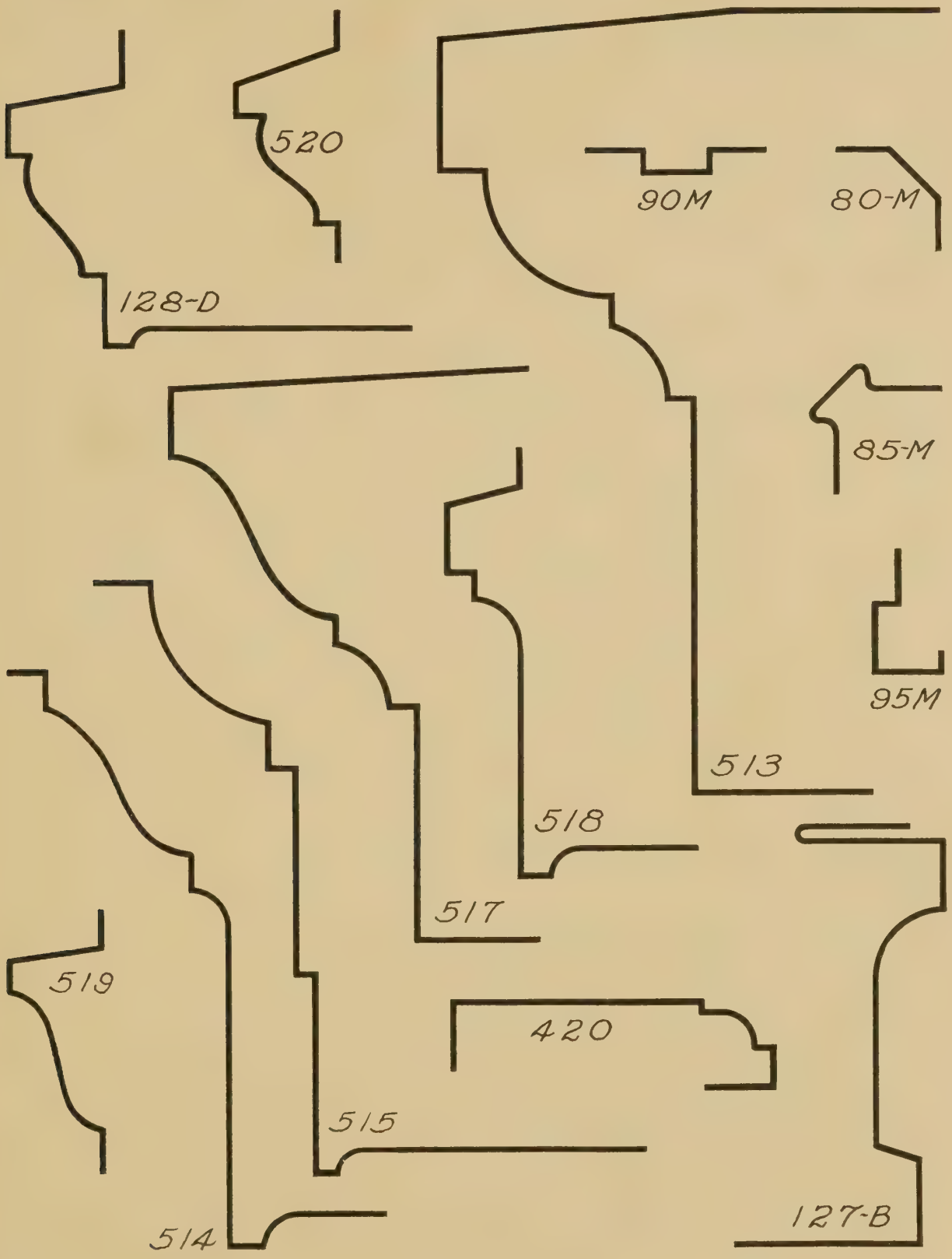
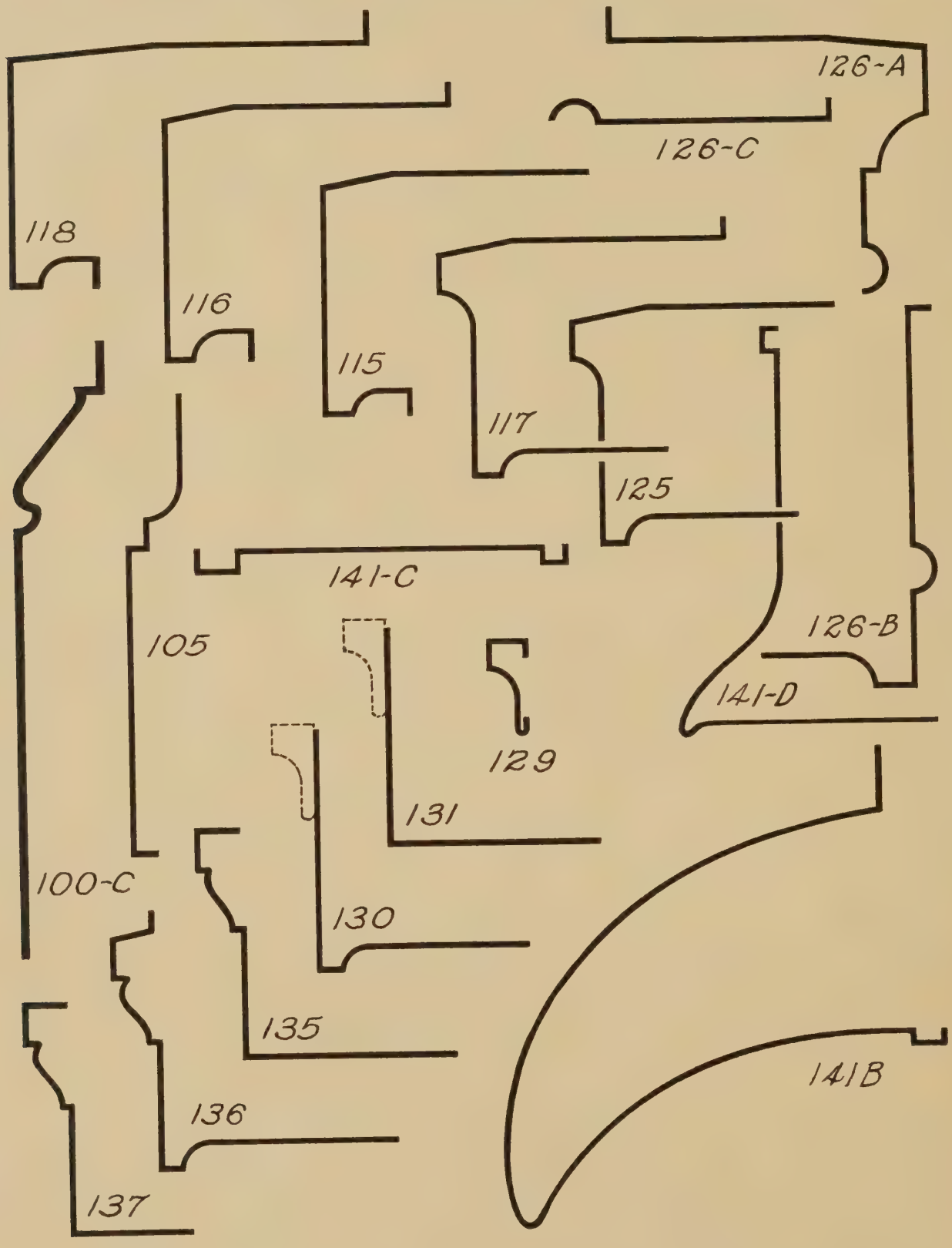
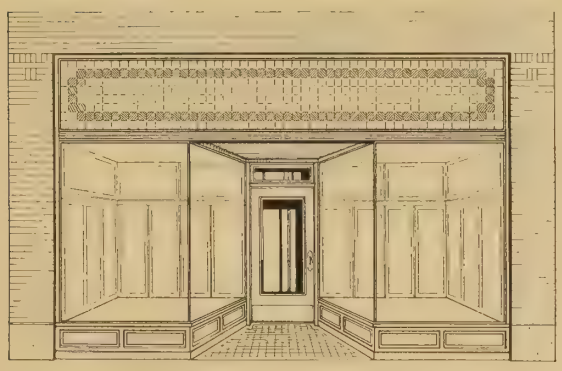
502
407
404
405
512
521
145
140
411
410
415
409
516

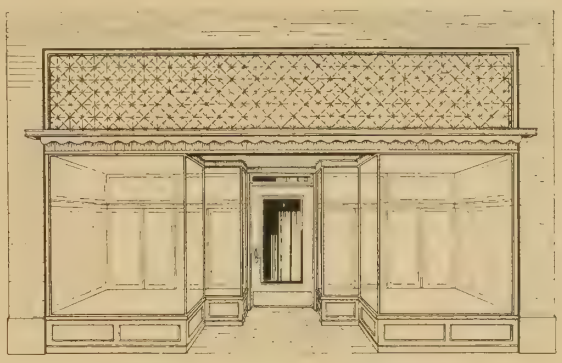

520
90M
80-M
128-D
85-M
95M
513
518
517
519
420
515
514
127-B


126-A
126-C
118
116
115
117
125
141-C
105
126-B
141-D
129
131
100-C
130
135
141B
136
137

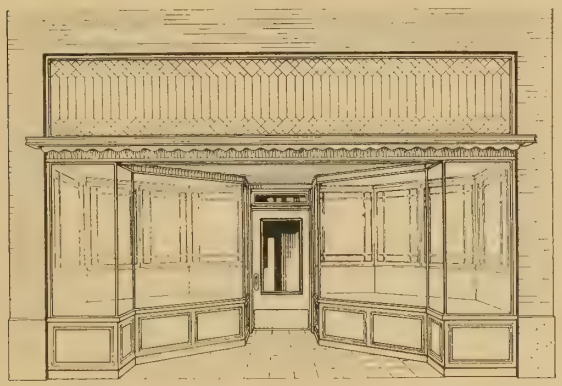
A Few Types of Store Fronts That Have Proven Excellent Sales Mediums



TYPE 1—Practical for many lines of business, especially groceries and meat markets. It can be beautified in many different ways. See pages 4, 5, 6 and 7.

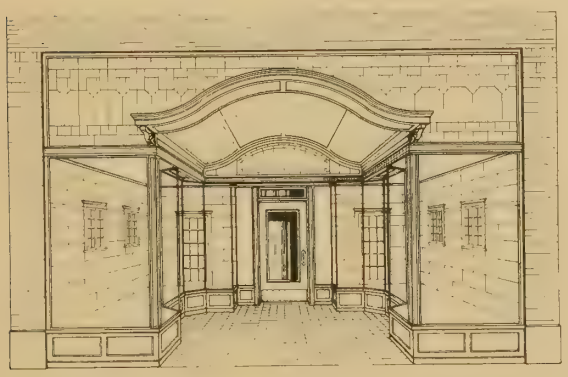


TYPE 2—Another widely used design. It is inexpensive, provides ample display space and vestibule room. Can be made to fit any normal opening.



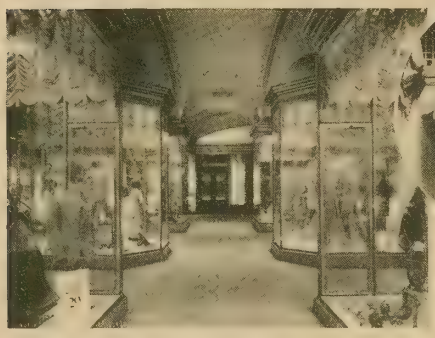
TYPE 3—A splendid type for jewelry, drugs and merchandise of small dimensions. The six plates in the return gives it a touch of distinction not found in ordinary types.

TYPE 4—This provides one large window at each side and a case in the center separating the doors. Appropriate for shoes and women's wear.

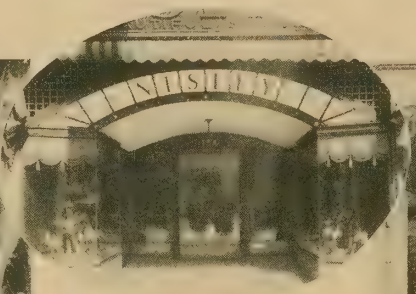


TYPE 5—The graceful overhead arch, tapestry glass and ornamental pilasters (see page 7) gives it that touch of individuality sought by many merchants.

TYPE 6—A tried and proven layout that offers many advantages. By certain adjustments it can be built to effectively display several lines of merchandise.

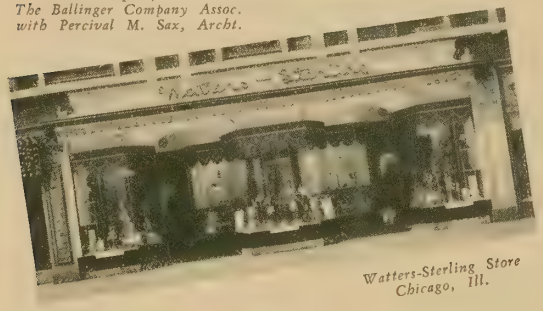


Frank & Sedar Dept. Store
Philadelphia, Pa.
The Ballinger Company Assoc.
with Percival M. Sax, Archt.

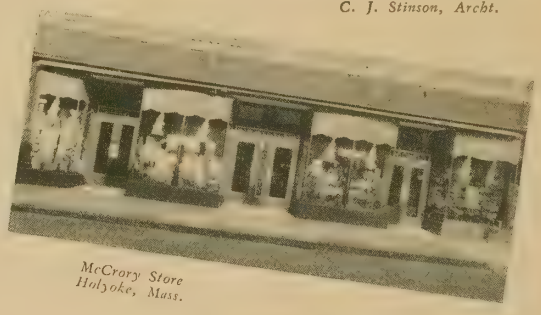


Nisley Company
Davenport, Iowa

Fred Haupt Company
Louisville, Ky.
C. J. Stinson, Archt.



Watters-Sterling Store
Chicago, Ill.



McCrory Store
Holyoke, Mass.

Kline's
St. Louis, Mo.
Will Levy, Archt.

On this and the following five pages we show a few of the many Stores and prominent Buildings in which Easyset Store Front Construction has been installed.

Loft Candy Shop
Brooklyn, N. Y.
John P. Dunn, Archt.

Palais Royal
Houston, Texas
A. C. Finn, Architect

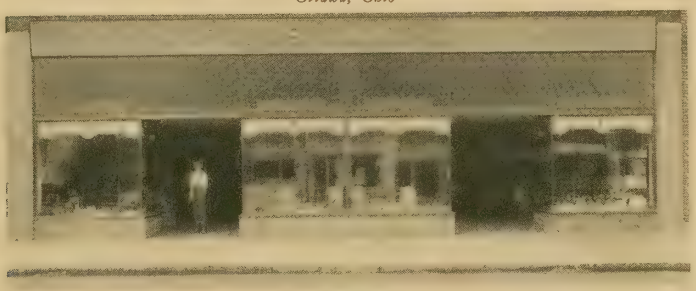
Louis Hanssen's Sons
Davenport, Iowa
Claussen, Kruse & Klein, Archts.

The May Company
Baltimore, Md.
Smith & May, Archts.

(Below)
Haskell & Jones Co.
Portland, Maine

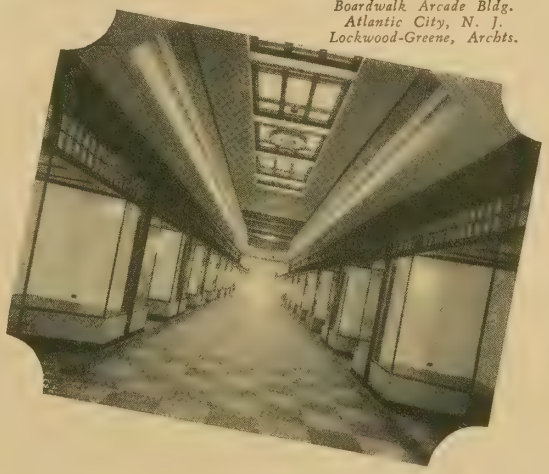
(Below)
Adlers, Buffalo, N. Y.
Louis Greenstein, Archt.
Myron O'Neil, Assoc.

(Below)
Frey's Hardware
Ottawa, Ohio



(Below)
Loria Studio
Minneapolis, Minn.
Jacobson & Jacobson, Archts.

(Below)
Boardwalk Arcade Bldg.
Atlantic City, N. J.
Lockwood-Greene, Archts.



L. P. Hollander Co.
Boston, Mass.
Galen, B. Jacques, Archt.

Steel Pier
Atlantic City, N. J.

(At Left)
Store Building
Milwaukee, Wis.
C. F. Ringer & Son, Archts.

(Below)
Loew's Theatre Bldg.
Pittsburgh, Pa.
C. W. & G. L. Rapp, Archts.

(Below)
Bert Bagley Company
Milwaukee, Wis.
Henry Maurer, Archt.

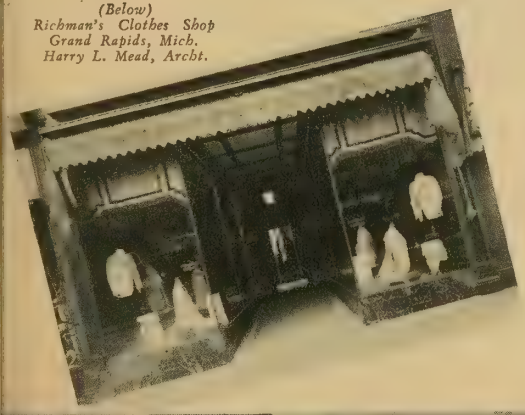
F. W. Woolworth C

Wm. F. B. Koelle,
Archt.

H. W. Rambach
Brookline, Mass.
Henry F. Bryant & Son, Archts.

(At Right)
H. J. Lehman
Cincinnati, Ohio
H. J. Lehman, Archt.

(Below)
Richman's Clothes Shop
Grand Rapids, Mich.
Harry L. Mead, Archt.



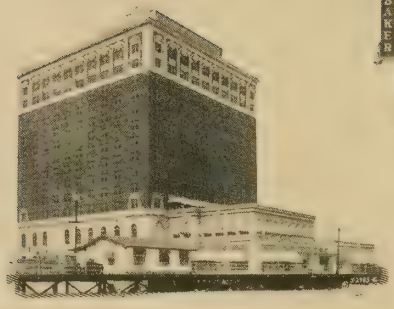
(Below)
Joseph Hilton Store
Brooklyn, N. Y.
Magnuson & Kleinert, Archts.

Minneapolis, Minn.

Medical Arts Bldg.
Memphis, Tenn.
Tietig & Lee, Archts.

The Milan Bldg.
San Antonio, Texas
Geo. Willis, Archt.

Studebaker Display Room
Houston, Texas
Alfred C. Finn, Archt.



President Hotel
Atlantic City, N. J.
Louis I. Brooks, Archt.

Lowry Hotel
St. Paul, Minn.
Lambert Bassindale, Archt.

Capitol Bldg.
Hartford, Conn.
Thomas W. Lamb, Archt.

Perrine Bldg.
Oklahoma City, Okla.
Hawk & Parr, Archts.

Knights of Columbus Bldg.
York, Pa.
L. M. Klunk, Archt.

Central Square Bldg.
Cambridge, Mass.
Blackall, Clapp-Whittemore, Archts.

St. Clair Hotel
Chicago, Ill.
Oman & Lilienthal, Archts.

Hills Building
Syracuse, N. Y.
Melvin L. King, Archt.

Hotel Syracuse
Syracuse, N. Y.
Geo. B. Post & Sons, Archts.

Hilderbrandt Bldg.
Jacksonville, Fla.
Massh & Saxelby, Archts.

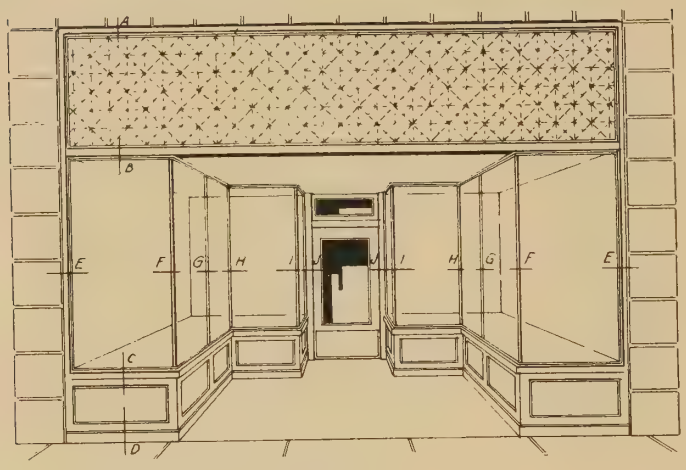
Capitol Hotel
Amarillo, Texas
E. F. Rittenberry & Co., Archts.

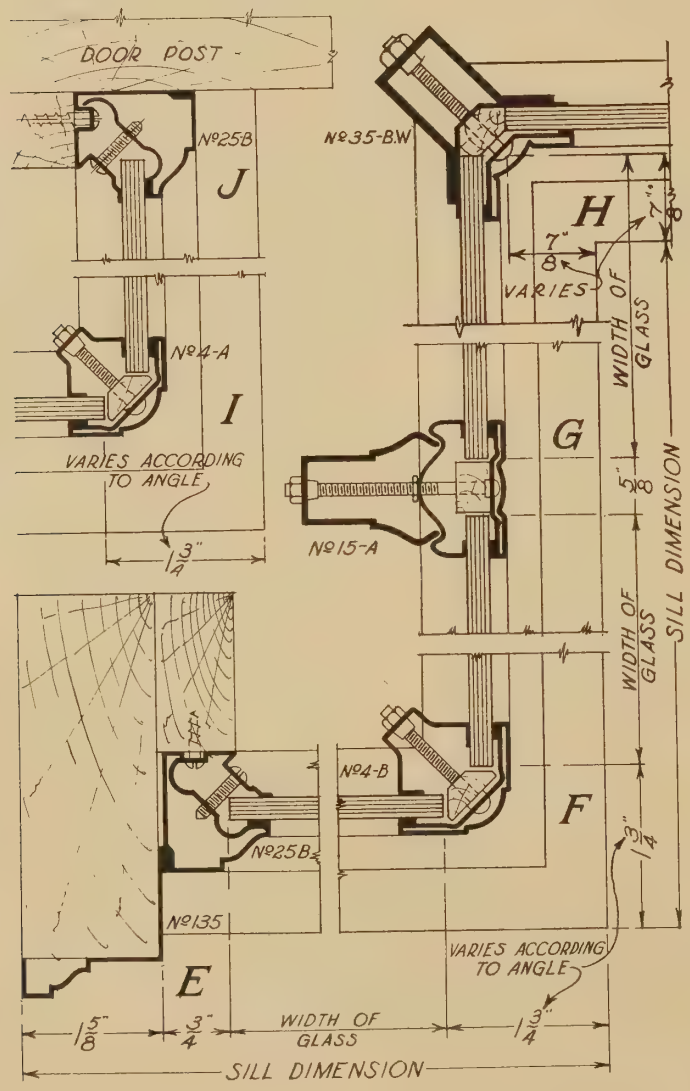
Columbian Mutual Tower Bldg.
Memphis, Tenn.
I. A. Baum, Archt.

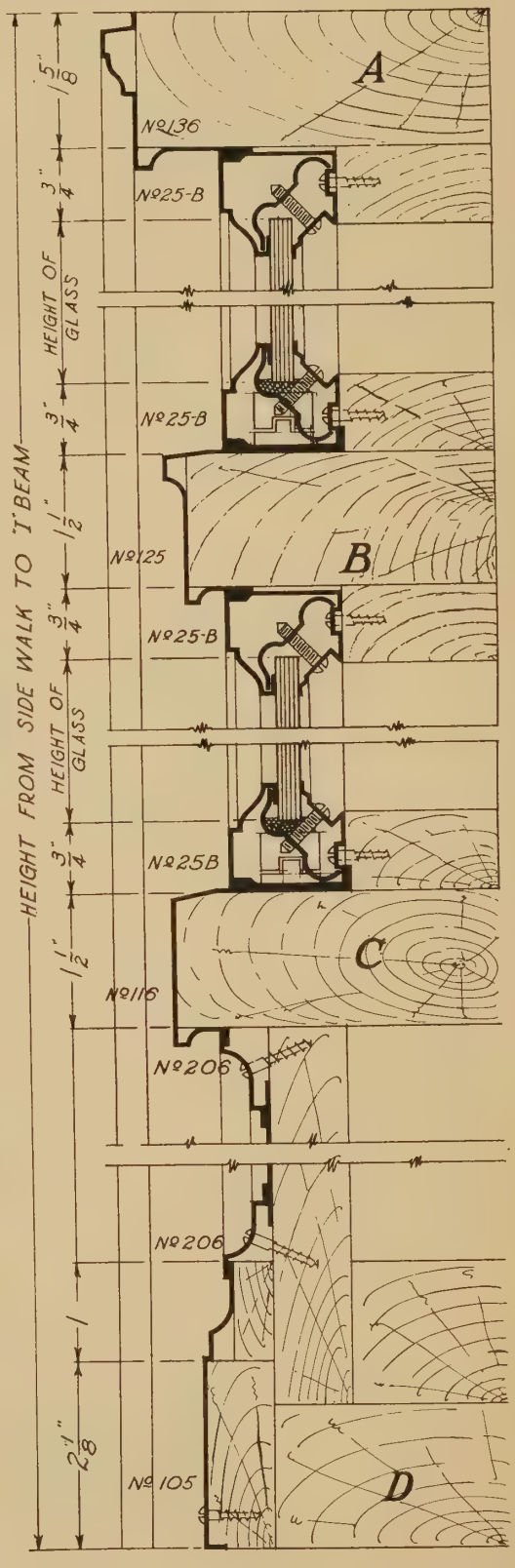
Alms & Doepke Bldg.
Cincinnati, Ohio
S. S. & G. H. Godley, Archts.

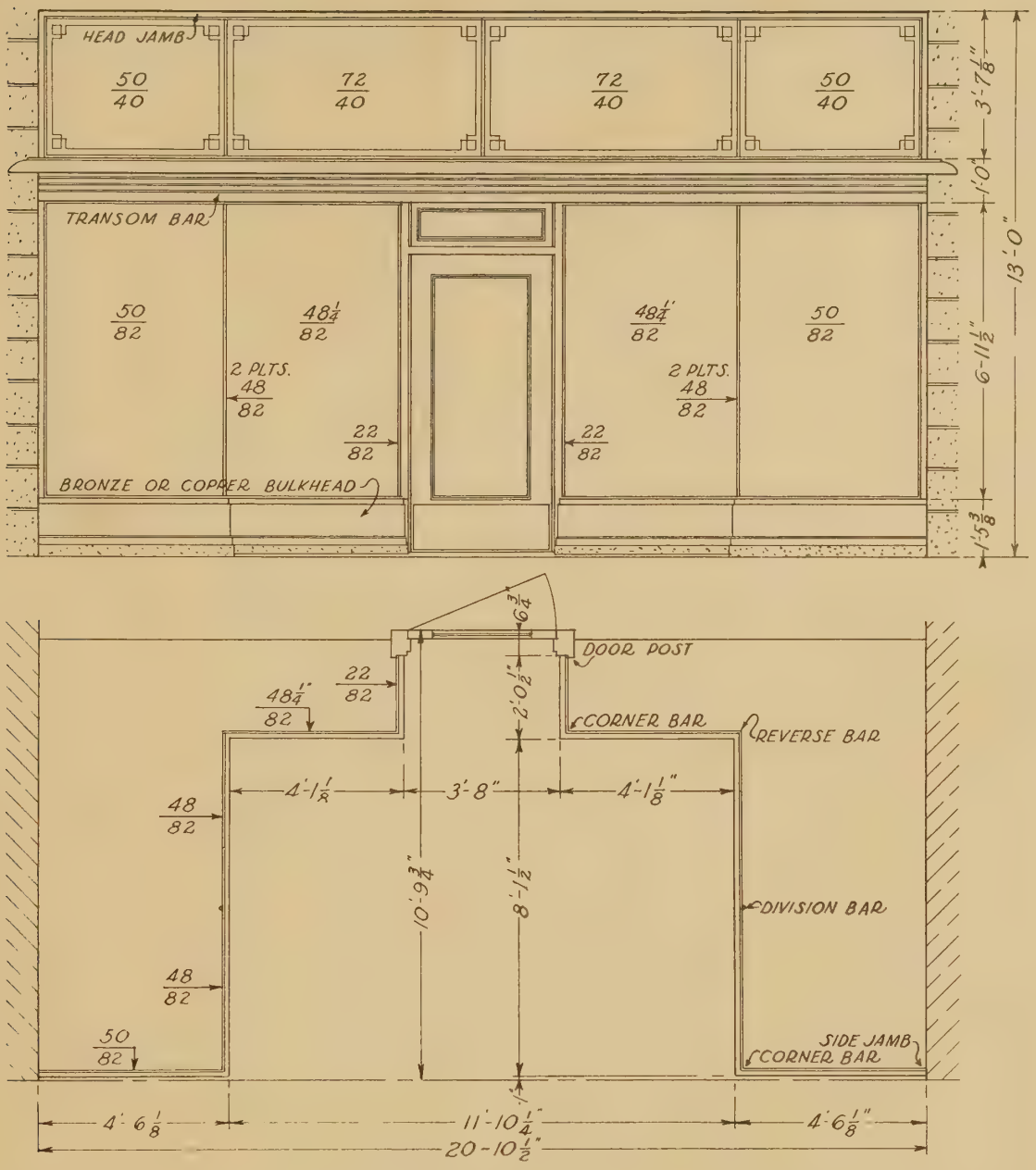
Penn Athletic Club
Philadelphia, Pa.
Zantzinger, Borie & Medary, Archts.

L. J. Archambault Bldg.
Larchmont, N. Y.
D. A. Summo, Archt.


A
B
C
D
E
F
G
H
I
J


DOOR POST
№25B
J
№35-B.W
H
7/8"
7"
VARIES
WIDTH OF GLASS
№4-A
I
VARIES ACCORDING TO ANGLE
1/4"
№15-A
G
5/8"
№4-B
F
№25B
№135
E
1/4"
VARIES ACCORDING TO ANGLE
5/8"
3/4"
WIDTH OF GLASS
1/4"
SILL DIMENSION
WIDTH OF GLASS
SILL DIMENSION


HEIGHT FROM SIDE WALK TO T BEAM
5/8"
A
№136
3/4"
№25-B
HEIGHT OF GLASS
3/4"
№25-B
1 1/2"
№125
B
3/4"
№25-B
HEIGHT OF GLASS
3/4"
№25B
1 1/2"
C
№116
№206
№206
1
2 1/8"
№105
D



WHERE EASYSET MEMBERS ARE USED (Page 40) AND HOW TO FIGURE GLASS SIZES

The plan and elevation on this page, together with half-size details on the preceding one, show where Easyset units are used and how to figure glass sizes. By deducting the glass clearances as shown on page No. 40 from the over-all sill sizes indicated above, correct glass sizes are determined. However, it must be borne in mind that the clearances at the corners vary according to the angle and also as to the construction used.

General Instructions For Installing Complete Easyset Store Front Construction

THE first member to be placed in position is the No. 135 side jamb cover. Second, No. 136 head jamb cover. Then the No. 116 sill cover. Follow this by placing in position the transom bar cover.

If using No. 127 awning transom bar, first place in position the 128-D member; second, the D member; third, the C member; fourth, the B member, and fifth the A member. Now put end caps in place. If using the 132 A.B. awning transom bar, place in position first No. 128-D, second 127-D, third 127-C, fourth 127-B, fifth 132-A and sixth 132-B. Now put end caps in place. If using the 126 transom bar, place in position first, B member, second A member, unless the C member is used. If so, C member should be placed in position second, followed by the A member. No end caps are required for the No. 126 transom bar.

Next install the 25B metal sash inner member. Place two setting blocks in position for each light from six to fifteen inches from each end, depending on the size of the glass. Adjust setting blocks to correct height, so that glass clears bronze lugs. Place bottom bronze lugs in place in inner member loosely. Now set plate glass on top of setting blocks. Glass should be cut to fit the opening, allowing $\frac{3}{4}$" according to measurements providing clearances, shown on pages 40 and 41. After glass is in position the balance of the lugs should be put in place. Then slip on outer member of 25B sash over bronze lugs and under edge of inner member of 25B over sill and jamb covers. Tension on outside member to glass is accomplished by drawing up bronze lugs by means of screws provided. In drawing up lugs in this manner care should be taken not to get an uneven or excessive pressure on the glass. After the outer member is in place, all corner caps should be installed.

For METAL SASH 25C and D.—Follow the same method for installation as 25B.

CORNER BAR No. 4-B.—The distance between the inner edges of the glass should be $\frac{3}{8}$", to allow for the installation of the corner bar. This may vary slightly according to angle. Separate inner and outer sections of this bar before installing. The bottom of this bar rests squarely on the top of the sash corner cap. All screws should be tightened evenly to get the proper tension.

CORNER BAR No. 4-C.—Use the same method when installing Corner Bar 4-C, except that there should be an allowance between the inner edges of the glass of $\frac{5}{8}$"; also with slight variation according to angle.

DIVISION BAR No. 15-A, B and C.—$\frac{5}{8}$" should be allowed between the edges of the glass to accommodate the division bar. The inner and outer sections of this bar should also be separated before installing, and the screws tightened in the same manner as the corner bar. The lower end of the face member of this bar rests on the upper edge of the outer member of the metal sash, and the inner part is anchored to the floor and transom bar. Small steel anchors with screws complete are furnished for this purpose. All other caps should now be put in place.

See full size details, or catalog, (pages Nos. 11, 20, 21, 22, 23, 40 and 41) referred to in these instructions.

INFORMATION ON ORDERING EASYSET STORE FRONTS

WHEREVER possible, we recommend that a specific order be forwarded covering the material wanted and outlining definite cutting sizes. This suggestion is made with the view of bettering our service by avoiding delays which occasionally occur when entering an order in the factory, because of incomplete information.

When ordering send us blueprints or rough sketch showing a dimensioned plan and elevation of the front. To accurately cut our material, we cannot determine sizes by scaling a blueprint, for when doing so, we must add a safe margin for possible shrinkage of the print. This is essential so that we may supply the necessary caps and other accessories.

Head Jamb Mouldings—Order the extreme width of the opening.

Transom Bar Mouldings—Order the extreme width of the opening.

Side Jamb Mouldings—Order the extreme height of the opening, when using copper bulkhead construction.

Note—Side Jamb Mouldings can stop at the top of the sill when marble, brick or wooden bulkheads are used.

Note—When ordering awning bar mouldings, give the extreme opening size to which we shall make necessary additions for the extension of the hood members; also, we shall include caps to cover the exposed woodwork at the end of the hood.

Corner, Reverse, Division Bars and 45-B Bar—The height of all bars should be the same as the glass height. Give exact angle of corner, reverse and 45-B bars. (When it is impossible to measure angle properly, send sketch.)

Copper Bulkheads can be ordered as a unit by giving the sill measurements, height from top of sill to sidewalk, style or number. Also submit a rough sketch showing the number and location of mullions.

Pivoted or Hinged Sash, and Show Case Door—See page 25 for special instructions.

Curved Material—Either state definitely or submit sketch showing whether the curve is horizontal or vertical. Also give radius and show to what point on the mouldings the radius is taken, provided the curve is regular and uniform. If the curve is not regular, submit a full-size detail or template. Do not fail to advise us whether the sizes given are glass sizes or size of openings.

When ordering or requesting prices on any special work, give all information that relates in any way to the store front. By doing this, the information you request or our shipment to you will not be delayed while we are writing for more definite data.

Give shipping directions, stating whether order is to be shipped by express or freight. Unless specific directions are given we shall ship by freight.

All copper and bronze materials will be furnished in polished finish, unless otherwise specified.

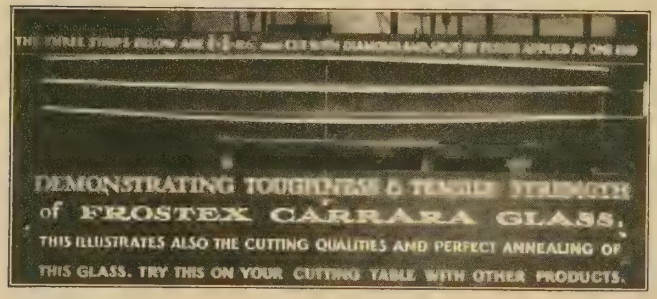
IMPORTANT—When ordering sash for which slide can be furnished, state definitely as to whether or not slide is wanted. Sash is shipped without slide unless specified on order.

FINISHES IN WHICH EASYSET STORE FRONT CONSTRUCTION CAN BE FURNISHED

0—Unpolished Copper
1—Polished Copper
2A—Light Statuary Copper
2B—Medium Statuary Copper
2C—Dark Statuary Copper
3—Nickel-plated Copper
4—Spotted Oxidized Copper
5—Satin Finished Copper
6—Verde Antique Copper
7—Gun Metal Copper
8—Polished Bronze (on bronze metal)
9—Light Statuary Bronze (on bronze metal)

CARRARA STRUCTURAL GLASS

Merchandise display is enhanced by a frame which gives an appearance of elegance, quality and refinement. BLACK Structural Glass supplies this need in a unique manner when used as bulkheads, pilasters and display decks for shop windows.


DEMONSTRATING TOUGHNESS & TENSILE STRENGTH
of FROSTEX CARRARA GLASS.
THIS ILLUSTRATES ALSO THE CUTTING QUALITIES AND PERFECT ANNEALING OF
THIS GLASS. TRY THIS ON YOUR CUTTING TABLE WITH OTHER PRODUCTS.

FROSTEX—the recent addition to the CARRARA family, with a new surface texture, possesses singular toughness as demonstrated in the test shown above where strips measuring ⅜" x ⅜" x 126" were split by using glass plyers at one end after surface was cut with a diamond.

For twenty-five years CARRARA Structural Glass has been given preference over all other materials in many buildings where toilet rooms were desired which would be always clean, sanitary, free from odors and impervious to stain.

BLACK glass with two surfaces polished for partitions and face members is available for the architect or designer who wishes an expression in the unusual.

Manufactured, Distributed and Installed By
THE PITTSBURGH PLATE GLASS COMPANY

TAPESTRY GLASS

This is one of the best-known products of the PITTSBURGH PLATE GLASS COMPANY, and has proved very popular since its introduction about five years ago.

Qualities: The surface of TAPESTRY GLASS has a silvery, satin-like finish. The depth and crystal clearness under the pattern, in conjunction with the surface finish, give to TAPESTRY GLASS its great light diffusive property, and for day-lighting dark store interiors, it has been proved to be the best medium. Moreover, the absence of deep surface indentations has resulted in TAPESTRY GLASS acquiring the reputation of being EASY TO CLEAN.

Decoration: TAPESTRY GLASS can be decorated by means of either the Sand-blast process or the Italian process. Sand-blast produces on the surface a delicate frosted effect, and symmetrical designs or artistic lettering are applied in this manner. In the Italian process a blast of sand first cuts a design and then various colors are applied, the final effect being very pleasing.

Varied Uses: The qualities above mentioned make TAPESTRY GLASS a most suitable medium for use in transoms of store fronts, and for this purpose it is enjoying a constantly increasing distribution. For office doors and partitions TAPESTRY GLASS is frequently used because of its splendid light diffusive qualities. In addition, it is preferred over other glasses for use in ceiling lights, doors in public buildings, such as hotels, apartments, institutions and offices. In churches, fraternal buildings, etc., TAPESTRY GLASS is an ideal material, especially when decorated, for many rich and beautiful effects can be obtained.

Sizes and Thicknesses of Tapestry Glass: It is furnished in two thicknesses, ¼″ and 3-16″, and in sizes up to 70″ x 150″. Edges can be finished as on Polished Plate Glass — i.e., bevelled, ground and polished.

Samples, Information, etc.: Samples and complete information can be supplied by any of the warehouses of the PITTSBURGH PLATE GLASS COMPANY.

TAPESTRY GLASS used extensively in store fronts of the Hotel President, Atlantic City, New Jersey.

TWO NEW MEMBERS OF THE GLASS FAMILY

DUPLATE

The Shatter-Proof Glass

PRACTICALLY everyone driving an automobile has his pocketbook protected by liability insurance. How much more necessary is it to protect one's person from flying glass? The use of Duplate, the shatter-proof glass, brings a sense of security to you and your passengers which in itself will more than repay you for the small added cost over ordinary plate glass windows and windshield.

Duplate is a product developed by the Pittsburgh Safety Glass Company and distributed by the Pittsburgh Plate Glass Company, which fills a long felt need. Each piece is built up from two sheets of thin plate glass, permanently welded together by means of a transparent elastic material. When breakage occurs, the two layers of glass break in different places, but the binding agent in the center, being pliable and tough, holds the sections together and prevents flying and jagged glass.

Duplate is very easy to get. Just call up the nearest Pittsburgh Plate Glass Company warehouse and give them the model and number of your car. The plates will be cut and finished according to blueprints which we keep on file. In a few days you will be notified that the glass is ready. A short time spent in taking out the old glass and installing the new, and you can drive away with the greatest of fears wiped away—that of being permanently disfigured by broken glass.

HELIOGLASS

The Ultra-Violet Ray Transmitting Glass

LET all of the sunlight into your home. Don't be content with just light and heat from the sun—let in the ultra-violet rays, the invigorating, tanning and body-building rays which are shut out by ordinary glass.

Helioglass lets in these invisible rays which are needed so much. It looks like ordinary window glass, but its effect is as different as that between outdoors and indoors. These invisible rays are so important that outdoor clinics have been started all over the country; the use of ultra-violet ray machines has increased tremendously. Now Helioglass lets in these vital rays that have only been available outdoors, and really brings outdoor benefits with indoor exposure.

Follow the lead of the foremost hospitals in the country and glaze a part of your home with Helioglass. Have a sun-room in fact as well as in name for the sake of your family's health. Ask our nearest warehouse for a quotation, a list of which is on page 48.

PITTSBURGH PROOF PRODUCTS

PITTSBURGH Proof Products is the family name for the Paints, Varnishes and Lacquers, manufactured and sold by the Pittsburgh Plate Glass Company. Among them are such well-known nationally advertised products as the following:

SUN-PROOF PAINT—Has set the standard of quality for house paints since 1855.

VELUMINA FLAT WALL PAINT—Available in a complete assortment of attractive colors. Velumina walls are washable.

FLORHIDE ENAMEL—A durable finish for exterior and interior floors, cement.

WATERSPAR ENAMEL—For refinishing and beautifying everything in and about the home.

WATERSPAR LACQUER—"Dries in no time". Has revolutionized home refinishing. It can be applied readily with a brush.

BANZAI ENAMEL—An aristocrat among white enamels. Flows out into a China-smooth film.

PITCAIRN VARNISH—A standard and accepted product indorsed by painters throughout the country. Used on many of the largest buildings in the country.

MIMAX AUTO LACQUER—The perfected Lacquer finish adopted by leading manufacturers, used by better-class refinishing stations.

MIMAX ARCHITECTURAL LACQUER—The newest type of finish. With it a painter can apply three coats a day.

LAVAX ARCHITECTURAL FINISH—Combines the chief advantages of lacquer and varnish, and yet is distinct from either.

Paints, Varnishes, and Lacquers play an important part in modern store merchandising. An attractive color scheme or a novel color arrangement means much to the prestige of a store. The progressive merchant keeps his business establishment "on parade". The walls are kept immaculately clean; the floors are painted frequently; the fixtures are stained and varnished at regular intervals; the store front is never allowed to remain shabby a single day, but always looks as though it is just freshly painted.

The products listed above will enable you to keep your stores spick and span. Velumina for the walls; Florhide for floors and dados; Waterspar Enamel for the store front. These will prove valuable products to you. If it is a question of doing the work quickly so as not to take the store out of commission, you will find a friend in Waterspar Lacquer and the Lavax Architectural line. Waterspar Lacquer "Dries in no time" and it is possible to apply Lavax at night and use the article next morning.

A liberal use of Paint, Varnish and Lacquer will prove a paying investment for every merchant.

WAREHOUSES
PITTSBURGH PLATE GLASS COMPANY

Akron, Ohio	101 Lincoln Street
Albany, New York	N. Ferry Street E. of Broadway
Atlanta, Georgia	180 Alabama Street, S. W.
Baltimore, Maryland	8-12 S. Paca Street
Birmingham, Alabama	2nd Avenue and 29th
Boston, Massachusetts	300-316 Babcock Street
Brooklyn, New York	3rd Avenue and Dean Street
Buffalo, New York	101-107 Seneca Street
Charlotte, North Carolina	212 E. 6th Street
Chicago, Illinois	431-451 St. Clair Street
Cincinnati, Ohio	Broadway, Court and Eggleston Streets
Cleveland, Ohio	3849 Hamilton Avenue
Columbus, Ohio	133-135 E. Spring Street
Dallas, Texas	Santa Fe Terminal Bldg.
Davenport, Iowa	414-428 Scott Street
Denver, Colorado	26th and Blake Streets
Des Moines, Iowa	108 East 4th Street
Detroit, Michigan	Hamilton and Holden Avenues
Fort Worth, Texas	321-323 S. Main Street
Grand Rapids, Michigan	21-23 Ionia Avenue, S. W.
Harrisburg, Pennsylvania	17th and Brookwood Streets
High Point, North Carolina	431 Hamilton Avenue
Houston, Texas	Crawford and Commerce Streets
Indianapolis, Indiana	1915 Madison Avenue
Jacksonville, Florida	1530 Enterprise Street
Kansas City, Missouri	5th and Wyandotte Streets
Long Island City, New York	193-219 Hunters Point Avenue
Louisville, Kentucky	Main and 16th Streets
Memphis, Tennessee	435 Madison Avenue
Milwaukee, Wisconsin	486-96 Market Street
Minneapolis, Minnesota	616-628 S. Third Street
Mt. Vernon, New York	556-562 S. Fulton Avenue
Newark, New Jersey	Elizabeth Avenue and Peddie Street
New Haven, Connecticut	184 Brewery Street
New Orleans, Louisiana	Girod and Commerce Streets
Oklahoma City, Oklahoma	101-103 E. California Avenue
Omaha, Nebraska	14th and Jones Streets
Philadelphia, Pennsylvania	16th Sreet and Indiana Avenue
Pittsburgh, Pennsylvania	632-642 Duquesne Way
Rochester, New York	149-153 State Street
San Antonio, Texas	1420-1426 S. Alamo Street
Savannah, Georgia	Central of Georgia Terminals
Shreveport, Louisiana	Fannin and Commerce Streets
Springfield, Massachusetts	126 Liberty Street
St. Louis, Missouri	1106 Central Industrial Avenue
St. Paul, Minnesota	459-461 Jackson Street
Syracuse, New York	433-435 South West Street
Tampa, Florida	1006 Ashley Street
Toledo, Ohio	2410-2416 Albion Street
Tulsa, Oklahoma	Detroit and Archer Streets
Washington, D. C.	4th and Channing Streets, N. E.

WRITE THE WAREHOUSE NEAREST YOU FOR FURTHER INFORMATION AND PRICES